811 Consolidated Service Invoice/Statement

Functional Group ID= ${\bf CI}$

Introduction:

This Draft Standard for Trial Use contains the format and establishes the data contents of the Consolidated Service Invoice/Statement Transaction Set (811) for use within the context of an Electronic Data Interchange (EDI) environment. This transaction set provides for the billing or reporting of complex and structured service invoice/statement detail. This standard can be used by organizations who are interested in sending or receiving either consolidated or standalone invoices for service arrangements which require processing other than that done for the typical product invoice. The Consolidated Service Invoice/Statement can be used as a credit/debit memo to differentiate between payable invoice items and information-only memo items. This transaction set should not be used as a standalone notification of a credit/debit adjustment.

Notes:

- 1. Use this transaction set to transmit telecommunication consolidated service invoices to a Federal Government activity responsible for initiating the payment. This implementation convention may also be used within the federal government to transmit all or portions of the invoice to other activities for repayment to the activity or for information.
- 2. Use a single occurrence of this transaction to invoice or provide adjustments for one or more deliveries or service performances, provided to the Federal Government on one or more shipments.
- 3. Use to transmit commercial consolidated service invoice data only from one invoice preparing party to one invoice receiving party.
- 4. The appendix to this implementation convention contains the hierarchical structure for telecommunication invoices to the federal government.
- 5. The procedures and models for this implementation convention are contained in the Telecommunication Industry Forum (TCIF) EDI Guidelines Customer Services.
- 6. For summing rules and examples, refer to Telecommunication Industry Forum (TCIF) EDI Guidelines Customer Services, Section 7. This information is available on the Telecommunication Industry Forum (TCIF) World Wide Web home page.

Heading:

Page	Pos.	Seg.		Req.		Loop	Notes and
<u>No.</u>	No.	<u>ID</u>	<u>Name</u>	Des.	Max.Use	Repeat	Comments
6	010	ST	Transaction Set Header	M	1		
7	020	BIG	Beginning Segment for Invoice	M	1		
9	030	NTE	Note/Special Instruction	O	100		
10	040	CUR	Currency	O	1		

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050	REF	Reference Identification	O	>1		
060	PER	Administrative Communications Contact	O	3		
070	ITD	Terms of Sale/Deferred Terms of Sale	O	5		
080	DTM	Date/Time Reference	O	10		
090	TXI	Tax Information	O	>1		
		LOOP ID - N1		·	>1	
100	N1	Name	O	1		
110	N2	Additional Name Information	O	2		
120	N3	Address Information	O	2		
130	N4	Geographic Location	O	1		
140	REF	Reference Identification	O	12		
150	PER	Administrative Communications Contact	O	3		
	060 070 080 090 100 110 120 130 140	060 PER 070 ITD 080 DTM 090 TXI 100 N1 110 N2 120 N3 130 N4 140 REF	060 PER Administrative Communications Contact 070 ITD Terms of Sale/Deferred Terms of Sale 080 DTM Date/Time Reference 090 TXI Tax Information LOOP ID - N1 Name 110 N2 Additional Name Information 120 N3 Address Information 130 N4 Geographic Location 140 REF Reference Identification	060 PER Administrative Communications Contact O 070 ITD Terms of Sale/Deferred Terms of Sale O 080 DTM Date/Time Reference O 090 TXI Tax Information O LOOP ID - N1 100 N1 Name O 110 N2 Additional Name Information O 120 N3 Address Information O 130 N4 Geographic Location O 140 REF Reference Identification O	060 PER Administrative Communications Contact O 3 070 ITD Terms of Sale/Deferred Terms of Sale O 5 080 DTM Date/Time Reference O 10 090 TXI Tax Information O >1 LOOP ID - N1 100 N1 Name O 1 110 N2 Additional Name Information O 2 120 N3 Address Information O 2 130 N4 Geographic Location O 1 140 REF Reference Identification O 12	060 PER Administrative Communications Contact O 3 070 ITD Terms of Sale/Deferred Terms of Sale O 5 080 DTM Date/Time Reference O 10 090 TXI Tax Information O >1 100 N1 Name O 1 110 N2 Additional Name Information O 2 120 N3 Address Information O 2 130 N4 Geographic Location O 1 140 REF Reference Identification O 12

Detail:

Page <u>No.</u>	Pos. <u>No.</u>	Seg. <u>ID</u>	Name LOOP ID - HL	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
31	010	HL	Hierarchical Level	M	1	<i>></i> 1	n1
31	010	IIL.	LOOP ID - LX		<u> </u>	>1	
33	020	LX	Assigned Number	О	1		
34	030	SI	Service Characteristic Identification	0	8		
36	040	PID	Product/Item Description	O	200		
37	050	REF	Reference Identification	O	>1		
40	060	AMT	Monetary Amount	O	5		
42	070	DTM	Date/Time Reference	O	8		
43	080	TXI	Tax Information	O	>1		
			LOOP ID - QTY			10	
45	090	QTY	Quantity	O	1		
49	100	SI	Service Characteristic Identification	O	1		
			LOOP ID - NM1		<u> </u>	1	
51	110	NM1	Individual or Organizational Name	О	1		n2
54	120	N2	Additional Name Information	O	2		
55	130	N3	Address Information	O	2		
56	140	N4	Geographic Location	O	1		
57	150	REF	Reference Identification	O	2		
60	160	PER	Administrative Communications Contact	O	>1		
62	170	TXI	Tax Information	O	>1		
			LOOP ID - ITA			>1	
64	180	ITA	Allowance, Charge or Service	O	1		
68	190	DTM	Date/Time Reference	O	1		
69	200	TXI	Tax Information	O	>1		
			LOOP ID - IT1	-:	:	999999	
71	210	IT1	Baseline Item Data (Invoice)	О	1		n3
73	220	SI	Service Characteristic Identification	O	2		
75	230	PID	Product/Item Description	O	200		
76	240	INC	Installment Information	O	1		

77	250	TXI	Tax Information	О	>1		
79	260	REF	Reference Identification	O	8		
80	270	DTM	Date/Time Reference	O	10		
81	280	MSG	Message Text	0	>1		
			LOOP ID - QTY			>1	
82	290	QTY	Quantity	O	1		
83	300	SI	Service Characteristic Identification	0	1		
			LOOP ID - ITA		·	10	
85	310	ITA	Allowance, Charge or Service	O	1		
87	320	DTM	Date/Time Reference	O	1		
88	330	TXI	Tax Information	O	>1		
			LOOP ID - NM1			>1	
90	340	NM1	Individual or Organizational Name	О	1		
93	350	N2	Additional Name Information	O	2		
94	360	N3	Address Information	O	2		
95	370	N4	Geographic Location	0	1		
96	380	PER	Administrative Communications Contact	0	3		
			LOOP ID - SLN		<u> </u>	>1	
98	390	SLN	Subline Item Detail	О	1	/1	n4
103	400	SI	Service Characteristic Identification	0	2		114
105	410	PID	Product/Item Description	0	200		
103	420	CUR		0	200		
100	430	INC	Currency Installment Information		1		
				0	10		
110	440	ITA	Allowance, Charge or Service Tax Information	0			
112	450	TXI		0	>1		
114	460	REF	Reference Identification	0	>1		
115	470	PER	Administrative Communications Contact	0	3		
117	480	DTM	Date/Time Reference	0	10		
118	490	AMT	Monetary Amount	0	15		
120	500	MSG	Message Text	O	>1		
121	510	OTT	LOOP ID - QTY	0		>1	
121	510	QTY	Quantity	0	1		
122	520	SI	Service Characteristic Identification	O	1		
			LOOP ID - NM1			>1	
124	530	NM1	Individual or Organizational Name	O	1		
127	540	N2	Additional Name Information	O	2		
128	550	N3	Address Information	O	2		
129	560	N4	Geographic Location	O	1		
130	570	REF	Reference Identification	O	8		
131	580	PER	Administrative Communications Contact	0	3		
			LOOP ID - TCD			>1	
133	590	TCD	Itemized Call Detail	О	1		n5
136	600	SI	Service Characteristic Identification	O	2		
138	610	TXI	Tax Information	O	>1		
140	615	ITA	Allowance, Charge or Service	O	>1		
			LOOP ID - QTY			>1	

142	617	QTY	Quantity	O	1	
143	618	SI	Service Characteristic Identification	O	1	
			LOOP ID - USD			>1
145	620	USD	Usage-Sensitive Detail	O	1	n6
150	625	SI	Service Characteristic Identification	O	2	
152	630	ITA	Allowance, Charge or Service	O	2	
154	640	TRF	Rating Factors	O	18	
			LOOP ID - QTY			>1
159	650	QTY	Quantity	O	1	
160	660	SI	Service Characteristic Identification	O	1	

Summary:

Page <u>No.</u> 162	Pos. <u>No.</u> 010	Seg. <u>ID</u> TDS	<u>Name</u> Total Monetary Value Summary	Req. <u>Des.</u> M	Max.Use	Loop <u>Repeat</u>	Notes and Comments
			LOOP ID - ITA			>1	
163	020	ITA	Allowance, Charge or Service	O	1		
165	030	DTM	Date/Time Reference	O	1		
166	035	REF	Reference Identification	0	5		
			LOOP ID - BAL		,	>1	
167	040	BAL	Balance Detail	O	1		
168	050	DTM	Date/Time Reference	О	1		
			LOOP ID - N1			>1	
169	060	N1	Name	O	1		
			LOOP ID - BAL			>1	
170	070	BAL	Balance Detail	O	1		
171	080	DTM	Date/Time Reference	О	1		
			LOOP ID - ITA			>1	
172	090	ITA	Allowance, Charge or Service	O	1		
174	100	DTM	Date/Time Reference	O	2		
175	105	REF	Reference Identification	О	5		
176	115	CTT	Transaction Totals	О	1		n7
177	120	SE	Transaction Set Trailer	M	1		

Transaction Set Notes

1. Valid codes for HL03 to define levels for this transaction set are given below: 1 - Service/Billing Provider (Identifies the Company Providing the Service/Billing) 2 - Billing Arrangement (Identifies a Specific Billing Arrangement) 3 - Sub-billing Arrangement (Identifies a More Detailed Billing Arrangement) 4 - Group (Identifies a Group of Charges on the Bill) 5 - Category (Identifies the Subdivision of the Group) 6 - Subcategory (Identifies a Further Breakdown of the Category) 7 - Type (Identifies a Further Breakdown of the Subcategory) 8 - Charge Detail (Identifies the Lowest Level of Charges within a Billing Arrangement) 9 - Line Detail (Identifies the Supporting Detail Associated with the Charge or Group Level) They must be used in the (hierarchical) order in which they are listed; however, certain levels are optional and may be omitted. At least one occurrence each of the

- service/billing provider level and group level is required.
- 2. When used for telecommunications billing, the service/billing provider level is defined by the NM1 loop.
- **3.** The group level is defined by at least one occurrence of the IT1 loop which may only appear at the group level.
- **4.** The SLN loop may only appear at the charge detail level.
- **5.** The TCD loop may only appear at the line detail level.
- **6.** The USD loop may only appear at the line detail level.
- 7. The number of line items (CTT01) is the accumulation of the number of IT1 segments.

Segment: ST Transaction Set Header

Position: 010

Loop:

Level: Heading Usage: Mandatory

Max Use: 1

Purpose: To indicate the start of a transaction set and to assign a control number

Syntax Notes:

Semantic Notes: 1 The transaction set identifier (ST01) is used by the translation routines of the

interchange partners to select the appropriate transaction set definition (e.g.,

810 selects the Invoice Transaction Set).

Comments:

M	Ref. Des. ST01	Data Element 143		n Set Identifier Code		ributes ID 3/3
			Code unique	ely identifying a Transaction Set Consolidated Service Invoice/Stateme	ent	
M	ST02	329	Transaction	n Set Control Number	M	AN 4/9
			, ,	control number that must be unique within the group assigned by the originator for a transaction		

Segment: **BIG** Beginning Segment for Invoice

Position: 020

Loop:

Level: Heading Usage: Mandatory

Max Use: 1

Purpose: To indicate the beginning of an invoice transaction set and transmit identifying

numbers and dates

Syntax Notes:

Semantic Notes: 1 BIG01 is the invoice issue date.

2 BIG03 is the date assigned by the purchaser to purchase order.

3 BIG10 indicates the consolidated invoice number. When BIG07 contains code

CI, BIG10 is not used.

Comments: 1 BIG07 is used only to further define the type of invoice when needed.

			Data Elem	ent Summary	
	Ref.	Data			
	Des.	Element	<u>Name</u>		Attributes
M	BIG01	373	Date		M DT 8/8
			Date expressed as	CCYYMMDD	
M	BIG02	76	Invoice Number		M AN 1/22
			Identifying numbe	r assigned by issuer	
			TCIF recommend be used to make the the invoice date.	•	
	BIG07	640	Transaction Type	e Code	O ID 2/2
			Code specifying th	ne type of transaction	
			AI	Adjusted Invoice	
				1. This code is to be used only within government.	the federal
				2. This code is slated for deletion unl requirement is identified for its use.	less a
			CD	Consolidated Debit Invoice	
			CE	Consolidated Credit Invoice	
				Indicates that the invoice is a consolic detailed credit invoices; the detail, if I contained in debit memos	
			CF	Consolidated Debit Memo	
				Indicates that the invoice is a consolic actual billing invoices are summarized consolidated memo	
			CG	Consolidated Credit Memo	

Indicates that the invoice is a consolidated memo; all

actual billing invoices are summarized by this

consolidated memo

CI Consolidated Invoice

CM Call Detail Memo

Indicates that the invoice contains details of

telecommunications usage that is for information and

not payable

CN Credit Invoice
CR Credit Memo
DI Debit Invoice
DR Debit Memo
FB Final Bill

FD Consolidated Invoice, Final Bill

The final (last) bill for a consolidated account

FE Memorandum, Final Bill

The final (last) bill for a non-payable invoice (memo)

ME Memorandum RG Revised Final Bill

> Code to indicate that the last bill has been recalculated due to the receipt of delayed usage, or credits; to identify unpaid overdue final accounts, which are

reissued each month

Segment: NTE Note/Special Instruction

Position: 030

Loop:

Level: Heading
Usage: Optional
Max Use: 100

Purpose: To transmit information in a free-form format, if necessary, for comment or special

instruction

Syntax Notes:

Semantic Notes:

 \mathbf{M}

Comments:

1 The NTE segment permits free-form information/data which, under ANSI X12 standard implementations, is not machine processable. The use of the NTE segment should therefore be avoided, if at all possible, in an automated environment.

Data Element Summary

Data				
Element	<u>Name</u>		Att	<u>ributes</u>
363	Note Reference C	ode	O	ID 3/3
	Code identifying th	ne functional area or purpose for which	the n	ote applies
	GEN	Entire Transaction Set		
	INV	Invoice Instruction		
	OTH	Other Instructions		
	PRI	Priority		
	TIL	Tariff Index		
	TLF	Tariff Rule		
	TRF	Tariff Rate Footnotes		
	TSF	Tariff Section Footnotes		
352	Description		M	AN 1/80
	Element 363	Element 363 Note Reference Code identifying the GEN INV OTH PRI TIL TLF TRF TSF	Element 363Name Note Reference CodeCode identifying the functional area or purpose for which GENEntire Transaction Set Invoice InstructionINVInvoice InstructionOTHOther InstructionsPRIPriorityTILTariff IndexTLFTariff RuleTRFTariff Rate FootnotesTSFTariff Section Footnotes	Element Name Attraction 363 Note Reference Code O Code identifying the functional area or purpose for which the number of the function of the f

A free-form description to clarify the related data elements and their content

Segment: CUR Currency

Position: 040

Loop:

Level: Heading Usage: Optional

Max Use: 1

Purpose: To specify the currency (dollars, pounds, francs, etc.) used in a transaction

Syntax Notes:

- I If CUR08 is present, then CUR07 is required.
- 2 If CUR09 is present, then CUR07 is required.
- 3 If CUR10 is present, then at least one of CUR11 or CUR12 is required.
- 4 If CUR11 is present, then CUR10 is required.
- 5 If CUR12 is present, then CUR10 is required.
- **6** If CUR13 is present, then at least one of CUR14 or CUR15 is required.
- 7 If CUR14 is present, then CUR13 is required.
- **8** If CUR15 is present, then CUR13 is required.
- **9** If CUR16 is present, then at least one of CUR17 or CUR18 is required.
- 10 If CUR17 is present, then CUR16 is required.
- 11 If CUR18 is present, then CUR16 is required.
- 12 If CUR19 is present, then at least one of CUR20 or CUR21 is required.
- 13 If CUR20 is present, then CUR19 is required.
- 14 If CUR21 is present, then CUR19 is required.

Semantic Notes:

Comments:

1 See Figures Appendix for examples detailing the use of the CUR segment.

Notes:

Use this 1/CUR/040 segment to identify the currency in which payment is

requested.

	Ref.	Data					
	Des.	Element	<u>Name</u>	Attributes			
\mathbf{M}	CUR01	98	Entity Identifier Code	M ID 2/3			
			Code identifying an organizational entity, a physical location an individual PR Payer	on, property or			
3.4	CUDA	100	·	M ID 2/2			
M	CUR02	100	Currency Code	M ID 3/3			
			Code (Standard ISO) for country in whose currency the chaspecified	arges are			
			CAD - Canadian Dollars USD - USA Dollars				
			For additional values, request ISO document 4217.				
	CUR03	280	Exchange Rate	O R 4/10			
			Value to be used as a multiplier conversion factor to conve value from one currency to another	ert monetary			
	CUR04	98	Entity Identifier Code	O ID 2/3			
			Code identifying an organizational entity, a physical location,				

		an individual	
		PE	Payee
		PM	Party to receive paper Memo of Invoice
		RI	Remit To
		SE	Selling Party
		SJ	Service Provider
			Identifies name and address information as pertaining to a service provider for which billing is being rendered
CUR05	100	Currency Code	O ID 3/3
		•	SO) for country in whose currency the charges are
		CAD - Canadian USD - USA Dolla	
CUR06	669	Currency Marke	et/Exchange Code O ID 3/3
0 0 = 10 0			the market upon which the currency exchange rate is
		based	
		IMF	International Monetary Fund
		LNF	London (England) Exchange - First Closing
		LNS	London (England) Exchange - Second Closing
		NYC	New York Foreign Exchange
		PHI	Philadelphia Foreign Exchange
		ZUR	Zurich (Switzerland) Exchange
CUR07	374	Date/Time Quali	ifier X ID 3/3
		Code specifying t	ype of date or time, or both date and time
		001	Cancel After
		003	Invoice
		007	Effective
			Effective date of exchange
		009	Process
		035	Delivered
		092	Contract Effective
		093	Contract Expiration
		102	Issue
		150	Service Period Start
		151	Service Period End
		152	Effective Date of Change
			Date on which the change went into effect
		153	Service Interruption
		154	Adjustment Period Start
		155	Adjustment Period End
CUR08	373	Date	O DT 8/8

Date expressed as CCYYMMDD

CUR09 337 Time O TM 4/8

Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: <math>D = tenths (0-9) and DD = hundredths (00-99)

Segment: REF Reference Identification

Position: 050

Loop:

Level: Heading
Usage: Optional
Max Use: >1

Purpose: To specify identifying information

Syntax Notes: 1 At least one of REF02 or REF03 is required.

2 If either C04003 or C04004 is present, then the other is required.

3 If either C04005 or C04006 is present, then the other is required.

Semantic Notes: 1 REF04 contains data relating to the value cited in REF02.

Comments:

Data Element Summary

			Data Eleme	ent Summary	
	Ref.	Data			
	Des.	Element	<u>Name</u>		Attributes
M	REF01	128	Reference Identifi	cation Qualifier	M ID 2/3
			Code qualifying the	e Reference Identification	
			11	Account Number	
				Number identifies a telecommunication account	ons industry
			12	Billing Account	
				Account number under which billing	is rendered
			14	Master Account Number	
				Account number used to represent ind accounts which have been consolidate summarized	•
			AP	Accounts Receivable Number	
			BB	Authorization Number	
				Proves that permission was obtained t service	o provide a
			CT	Contract Number	
			DO	Delivery Order Number	
			EH	Financial Classification Code	
			НВ	Bill & Hold Invoice Number	
			LU	Location Number	
			PO	Purchase Order Number	
			RE	Release Number	
			VN	Vendor Order Number	
	REF02	127	Reference Identifi	cation	X AN 1/30

Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

REF03 352 Description

X AN 1/80

A free-form description to clarify the related data elements and their content

Segment: PER Administrative Communications Contact

Position: 060

Loop:

Level: Heading Usage: Optional

Max Use: 3

Purpose: To identify a person or office to whom administrative communications should be

directed

Syntax Notes: 1 If either PER03 or PER04 is present, then the other is required.

2 If either PER05 or PER06 is present, then the other is required.

If either PER07 or PER08 is present, then the other is required.

Semantic Notes:

Comments:

			Data Elem	ent Summary		
	Ref.	Data				
	Des.	Element	Name	~ -		<u>ributes</u>
M	PER01	366	Contact Function	a Code	M	ID 2/2
			Code identifying t named	he major duty or responsibility of the pe	rson	or group
			CC	Computer Systems Contact		
	PER02	93	Name		0	AN 1/60
			Free-form name			
	PER03	365	Communication 1	Number Qualifier	X	ID 2/2
			Code identifying t	he type of communication number		
			AU	Defense Switched Network		
				Department of Defense telecommunic and successor of the Automatic Voice (AUTOVON)		-
				This code is to be used only within the government.	e fed	leral
			EM	Electronic Mail		
			FX	Facsimile		
			TE	Telephone		
	PER04	364	Communication 1	Number	X	AN 1/80
			Complete communapplicable	nications number including country or a	ea co	ode when
	PER05	365	Communication 1	Number Qualifier	X	ID 2/2
			Code identifying t	he type of communication number		
			AU	Defense Switched Network		
				Department of Defense telecommunic and successor of the Automatic Voice (AUTOVON)		•

This code is to be used only within the federal government.

EM Electronic Mail
FX Facsimile
TE Telephone

PER06 364 Communication Number

X AN 1/80

Complete communications number including country or area code when applicable

Segment: ${f ITD}$ Terms of Sale/Deferred Terms of Sale

Position: 070

Loop:

Level: Heading Usage: Optional

Max Use: 5

Purpose: To specify terms of sale

Syntax Notes: 1 If ITD03 is present, then at least one of ITD04 ITD05 or ITD13 is required.

2 If ITD08 is present, then at least one of ITD04 ITD05 or ITD13 is required.

3 If ITD09 is present, then at least one of ITD10 or ITD11 is required.

Semantic Notes: 1 ITD15 is the percentage applied to a base amount used to determine a late

payment charge.

Comments: 1 If the code in ITD01 is "04", then ITD07 or ITD09 is required and either

ITD10 or ITD11 is required; if the code in ITD01 is "05", then ITD06 or

ITD07 is required.

Notes: To specify due date and late payment terms.

Ref.	Data				
Des.	Element	<u>Name</u>		Att	<u>ributes</u>
ITD01	336	Terms Type Code		O	ID 2/2
		Code identifying ty	rpe of payment terms		
		03	Fixed Date		
		10	Instant		
		18	Fixed Date, Late Payment Penalty App	olies	
			Sales terms specifying a past due date payment percentage penalty applies to past this due date		
ITD02	333	Terms Basis Date	Code	0	ID 1/2
		Code identifying th	ne beginning of the terms period		
		3	Invoice Date		
		5	Invoice Receipt Date		
ITD03	338	Terms Discount P	ercent	0	R 1/6
		-	rcentage, expressed as a percent, availal oice is paid on or before the Terms Disc		
ITD06	446	Terms Net Due Da	ate	O	DT 8/8
		Date when total inv	voice amount becomes due expressed in	forn	nat
		Date after which L	ate Payment Charge applies.		
ITD09	388	Terms Deferred D	Due Date	0	DT 8/8
		Date deferred payn format CCYYMMI	nent or percent of invoice payable is du DD	e exp	oressed in
ITD10	389	Deferred Amount	Due	X	N2 1/10
		Deferred amount d	ue for payment		

		Put Late Payment Charge here until X12 approves addition of ITD16.			f ITD16.
ITD11	342	Percent of Invo	oice Payable	X	R 1/5
		Amount of invo	ice payable expressed in percent		
ITD13	765	Day of Month		X	N0 1/2
			lue of the day of the month between 1 and h being referenced	the r	maximum
ITD14	107	Payment Metho	od Code	0	ID 1/2
		Code identifying	g type of payment procedures		
		C	Pay By Check		
		E	Electronic Payment System		
ITD15	954	Percent		0	R 1/10
		Percentage expr	essed as a decimal		
		Late payment p	ercentage.		

Segment: DTM Date/Time Reference

Position: 080

Loop:

Level: Heading Usage: Optional Max Use: 10

Purpose: To specify pertinent dates and times

Syntax Notes: 1 At least one of DTM02 DTM03 or DTM05 is required.

2 If DTM04 is present, then DTM03 is required.

3 If either DTM05 or DTM06 is present, then the other is required.

Semantic Notes:

Comments:

Notes: To specify billing period.

Data Element Summary

	Ref.	Data		
	Des.	Element	<u>Name</u>	<u>Attributes</u>
M	DTM01	374	Date/Ti	me Qualifier M ID 3/3
			Code sp	ecifying type of date or time, or both date and time
			186	Invoice Period Start
				When the billing period covered by an invoice begins
			187	Invoice Period End
				When the billing period covered by an invoice ends
	DTM02	373	Date	X DT 8/8

Date expressed as CCYYMMDD

Segment: TXI Tax Information

Position: 090

Loop:

Level: Heading
Usage: Optional
Max Use: >1

Purpose: To specify tax information

Syntax Notes: 1 At least one of TXI02 TXI03 or TXI06 is required.

2 If either TXI04 or TXI05 is present, then the other is required.

3 If TXI08 is present, then TXI03 is required.

Semantic Notes: 1 TXI02 is the monetary amount of the tax.

2 TXI03 is the tax percent expressed as a decimal.

3 TXI07 is a code indicating the relationship of the price or amount to the

associated segment.

Comments:

	Ref.	Data	Data Element Summary		
	Des.	Element	Name	Att	<u>ributes</u>
M	TXI01	963	Tax Type Code		ID 2/2
			Code specifying the type of tax		
			Use any code. The listed codes are preferred.		
			CA City Tax		
			FD Federal Tax		
			FI Federal Income Tax Withholding		
			FT Federal Excise Tax		
			FR Franchise Tax		
			GR Gross Receipts Tax		
			LS State and Local Sales Tax		
			MP Municipal Tax		
			OT Occupation Tax		
			PS Service Tax		
			SA State or Provincial Fuel Tax		
			SC School Tax		
			SE Excise Tax		
			TD Handicap Deaf Tax		
			UL Business Tax		
			ZE 911 Tax		
			Refer to 004010 Data Element Dictionary for acceptable of	ode v	values.
	TXI03	954	Percent	X	R 1/10
			Percentage expressed as a decimal		
			Tax rate for this tax jurisdiction.		
	TXI04	955	Tax Jurisdiction Code Qualifier	X	ID 2/2

Code identifying the source of the data used in tax jurisdiction code Refer to 004010 Data Element Dictionary for acceptable code values. **TXI05** 956 **Tax Jurisdiction Code** X AN 1/10 Code identifying the taxing jurisdiction TXI06 441 X ID 1/1 Tax Exempt Code Code identifying exemption status from sales and use tax 1 Yes (Tax Exempt) 2 No (Not Tax Exempt) **TXI07** 662 **Relationship Code** O ID 1/1 Code indicating the relationship between entities A Add D Delete O **Information Only** Charges which relate to but may not be included in or added to the unit price of the SLN. (i.e., compute WATS calculation based upon usage amounts) TXI08 828 **Dollar Basis For Percent** Dollar basis to be used in the percent calculation of the allowance, charge or tax TXI09 325 **Tax Identification Number** O AN 1/20 Number assigned to a purchaser (buyer, orderer) by a taxing jurisdiction (state, county, etc.); often called a tax exemption number or certificate number TXI10 350 **Assigned Identification** O AN 1/20 Alphanumeric characters assigned for differentiation within a transaction set

N1 Name **Segment:**

Position: 100

> Loop: N1 Optional

Level: Heading **Usage: Optional**

Max Use:

Purpose: To identify a party by type of organization, name, and code

Syntax Notes: At least one of N102 or N103 is required.

> 2 If either N103 or N104 is present, then the other is required.

Semantic Notes:

Comments: 1 This segment, used alone, provides the most efficient method of providing

organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.

2 N105 and N106 further define the type of entity in N101.

			Data Eleme	ent Summary		
M	Ref. <u>Des.</u> N101	Data Element 98	<u>Name</u> Entity Identifier (Code		ributes ID 2/3
			Code identifying an an individual	n organizational entity, a physical locati	ion, p	property or
			PE	Payee		
			PR	Payer		
	N102	93	Name		X	AN 1/60
			Free-form name			
	N103	66	Identification Cod	le Qualifier	X	ID 1/2
			Code designating the Identification Code	he system/method of code structure use e (67)	d for	
			1	D-U-N-S Number, Dun & Bradstreet		
			9	D-U-N-S+4, D-U-N-S Number with F Suffix	Four (Character
			10	Department of Defense Activity Addr (DODAAC)	ess C	Code
				This code is to be used only within the government.	e fed	leral
			33	Commercial and Government Entity (CAG	E)
				This code is to be used only within the government.	e fed	leral
			40	Electronic Mail User Code		
				Identifies the Electronic Mail User loc maintained between trading partners	cally	defined and
			41	Telecommunications Carrier Identific	ation	Code
				Identifies the Interexchange carrier fo	r the	charges

N104	67	92 Identification Co	Assigned by Buyer or Buyer's Agent	v	AN 2/80
		91	Assigned by Seller or Seller's Agent		
			A code similar to the standard Carrier Code which is used to identify the loc service providers		
		42	Telecommunications Pseudo Carrier I Code	dent	ification
			being billed		

Code identifying a party or other code

If N103 = "41" - Use Bellcore CIC list. If N103 = "42" - Use Pseudo -CIC list provided in TCIF section 10.4.

Segment: N2 Additional Name Information

Position: 110

Loop: N1 Optional

Level: Heading Usage: Optional

Max Use: 2

Purpose: To specify additional names or those longer than 35 characters in length

Syntax Notes: Semantic Notes: Comments:

	Ref.	Data		
	Des.	Element	<u>Name</u>	<u>Attributes</u>
M	N201	93	Name	M AN 1/60
			Free-form name	
	N202	93	Name	O AN 1/60
			Free-form name	

Segment: N3 Address Information

Position: 120

Loop: N1 Optional

Level: Heading Usage: Optional

Max Use: 2

Purpose: To specify the location of the named party

Syntax Notes: Semantic Notes: Comments:

	Ref.	Data		
	Des.	Element	<u>Name</u>	<u>Attributes</u>
M	N301	166	Address Information	M AN 1/55
			Address information	
	N302	166	Address Information	O AN 1/55
			Address information	

Segment: N4 Geographic Location

Position: 130

Loop: N1 Optional

Level: Heading Usage: Optional

Max Use: 1

Purpose: To specify the geographic place of the named partySyntax Notes: 1 If N406 is present, then N405 is required.

Semantic Notes:

Comments: 1 A combination of either N401 through N404, or N405 and N406 may be

adequate to specify a location.

2 N402 is required only if city name (N401) is in the U.S. or Canada.

Data Element Summary

Ref.	Data				
Des.	Element	<u>Name</u>		Att	<u>ributes</u>
N401	19	City Name		O	AN 2/30
		Free-form text for	city name		
N402	156	State or Province	Code	O	ID 2/2
		Code (Standard Stagency	ate/Province) as defined by appropriate	gove	ernment
N403	116	Postal Code		O	ID 3/15
		Code defining inte blanks (zip code fo	ernational postal zone code excluding por United States)	unctu	ation and
N404	26	Country Code		O	ID 2/3
		Code identifying the	he country		
N405	309	Location Qualifie	er	X	ID 1/2
		Code identifying t	ype of location		
		AC	City and State		
		CC	Country		
		CI	City		
		SP	State/Province		
N406	310	Location Identifie	er	O	AN 1/30

Code which identifies a specific location

Segment: REF Reference Identification

Position: 140

Loop: N1 Optional

Level: Heading
Usage: Optional
Max Use: 12

Purpose: To specify identifying information

Syntax Notes: 1 At least one of REF02 or REF03 is required.

2 If either C04003 or C04004 is present, then the other is required.

3 If either C04005 or C04006 is present, then the other is required.

Semantic Notes: 1 REF04 contains data relating to the value cited in REF02.

Comments:

			Data Eleme	ent Summary	
	Ref.	Data			
	Des.	Element	<u>Name</u>		Attributes
M	REF01	128	Reference Identifi	ication Qualifier	M ID 2/3
			Code qualifying the	e Reference Identification	
			01	American Bankers Assoc. (ABA) Tra Number (Including Check Digit, 9 Di	_
			03	Clearing House Interbank Payment Sy Participant Number (3 or 4 Digits)	ystem (CHIPS)
			05	Clearing House Interbank Payment St. User Identification (6 digits)	ystem (CHIPS)
			10	Account Managers Code	
				Identifies the telecommunications mathis account	nager assigned to
			13	Horizontal Coordinate	
				Positional address, horizontal compo- assigned address is based upon a grid	
			15	Vertical Coordinate	
				Positional Address, Vertical compone address is based upon a grid mapping	_
			BC	Buyer's Contract Number	
			CA	Cost Allocation Reference	
			CO	Customer Order Number	
			CR	Customer Reference Number	
			CT	Contract Number	
			DP	Department Number	
			EF	Electronic Funds Transfer ID Numbe	r
			EM	Electronic Payment Reference Numb	er
			EU	End User's Purchase Order Number	
			GC	Government Contract Number	

		GT	Goods and Service Tax Registration Number
		IS	Invoice Number Suffix
		IT	Internal Customer Number
		IV	Seller's Invoice Number
		LB	Lockbox
		NP	Partial Payment Number
		OI	Original Invoice Number
		OP	Original Purchase Order
		OR	Order/Paragraph Number
		PO	Purchase Order Number
		PX	Previous Invoice Number
		RT	Payee's Financial Institution Transit Routing Number for Check, Draft or Wire Payments. Receiving Depository Financial Institution Transit Routing Number for ACH Transfers
		SE	Serial Number
		SX	Service Interrupt Tracking Number
		TF	Transfer Number
		TJ	Federal Taxpayer's Identification Number
		VC	Vendor Contract Number
		VN	Vendor Order Number
		VR	Vendor ID Number
REF02	127	Reference Identi	ification X AN 1/30
			nation as defined for a particular Transaction Set or as Reference Identification Qualifier
REF03	352	Description	X AN 1/80
		A free-form description content	ription to clarify the related data elements and their

Segment: **PER** Administrative Communications Contact

Position: 150

Loop: N1 Optional

Level: Heading
Usage: Optional
Max Use: 3

Purpose: To identify a person or office to whom administrative communications should be

lirected

Syntax Notes: 1 If either PER03 or PER04 is present, then the other is required.

2 If either PER05 or PER06 is present, then the other is required.

3 If either PER07 or PER08 is present, then the other is required.

Semantic Notes:

Comments:

	Data Element Summar y					
	Ref.	Data				
	Des.	Element	<u>Name</u>		Att	<u>ributes</u>
\mathbf{M}	PER01	366	Contact Function	Code	M	ID 2/2
			Code identifying the named	ne major duty or responsibility of the pe	rson	or group
			TR	Technical Marketing Representative		
	PER02	93	Name	0 1	0	AN 1/60
	1 22102		Free-form name		Ü	121 (2,00
	PER03	365	Communication N	Number Qualifier	v	ID 2/2
	LEKUS	303		•	Λ	ID 2/2
			, ,	ne type of communication number		
			AU	Defense Switched Network		
			Department of Defense telecommunications system and successor of the Automatic Voice Network (AUTOVON)			-
				This code is to be used only within th government.	e fed	leral
			EM	Electronic Mail		
			FX	Facsimile		
			TE	Telephone		
	PER04	364	Communication N	Number	X	AN 1/80
			Complete communications number including country applicable		ea c	ode when
	PER05	365	Communication N	Number Qualifier	X	ID 2/2
			Code identifying th	ne type of communication number		
			AU	Defense Switched Network		
			Department of Defense telecommunications system and successor of the Automatic Voice Network (AUTOVON)			-

This code is to be used only within the federal government.

EM Electronic Mail
FX Facsimile
TE Telephone

PER06 364 Communication Number

X AN 1/80

Complete communications number including country or area code when applicable

Segment: HL Hierarchical Level

Position: 010

Loop: HL Mandatory

Level: Detail
Usage: Mandatory

Max Use: 1

Purpose: To identify dependencies among and the content of hierarchically related groups of

data segments

Syntax Notes:

Semantic Notes:

Comments:

1 The HL segment is used to identify levels of detail information using a hierarchical structure, such as relating line-item data to shipment data, and packaging data to line-item data.

The HL segment defines a top-down/left-right ordered structure.

- 2 HL01 shall contain a unique alphanumeric number for each occurrence of the HL segment in the transaction set. For example, HL01 could be used to indicate the number of occurrences of the HL segment, in which case the value of HL01 would be "1" for the initial HL segment and would be incremented by one in each subsequent HL segment within the transaction.
- 3 HL02 identifies the hierarchical ID number of the HL segment to which the current HL segment is subordinate.
- 4 HL03 indicates the context of the series of segments following the current HL segment up to the next occurrence of an HL segment in the transaction. For example, HL03 is used to indicate that subsequent segments in the HL loop form a logical grouping of data referring to shipment, order, or item-level information.
- 5 HL04 indicates whether or not there are subordinate (or child) HL segments related to the current HL segment.

Notes:

Ref.

Data

- 1. When submitting the 811 to any federal agency, use of the HL loop at levels HL03 code "1" and code "4", is required.
- 2. When the HL segment for a Level 4 indicates that there are no children, multiple IT1 loops may appear at this level; otherwise, there will only be one IT1 loop per HL loop.
- 3. As in the HL 4, when the HL segment for Level 8 indicates there are no children, multiple SLN loops may appear within one HL loop; otherwise, there will only be one SLN per HL 8 loop.

M	<u>Des.</u> HL01	Element 628	Name Hierarchical ID Number	Attributes M AN 1/12		
			A unique number assigned by the sender to identify a particular data segment in a hierarchical structure			
			Sequential number assigned to this HL segment.			
	HL02	734	Hierarchical Parent ID Number	O AN 1/12		

Identification number of the next higher hierarchical data segment that the data segment being described is subordinate to

Not used at HL1 (Service Provider).

M HL03 735 Hierarchical Level Code

M ID 1/2

Code defining the characteristic of a level in a hierarchical structure

Use any code. Listed codes are preferred.

- 1 Service/Billing Provider
- 2 Billing Arrangement

This level can only be used as a subordinate to level 1.

3 Sub-Billing Arrangement

This level can only be used as a subordinate to level 2.

4 Group

This level can only be used as a subordinate to level 1, 2 or 3.

5 Category

This level can only be used as a subordinate to level 4.

6 Sub-Category

This level can only be used as a subordinate to level 5.

7 Type

This level can only be used as a subordinate to level 6.

8 Charge Detail

This level can only be used as a subordinate to level 4, 5, 6 or 7.

9 Line Detail

Refer to 004010 Data Element Dictionary for acceptable code values.

Must Use HL04 736 Hierarchical Child Code

O ID 1/1

Code indicating if there are hierarchical child data segments subordinate to the level being described

Use any code.

0	No Subordinate HL Segment in This Hierarchical Structure.
1	Additional Subordinate HL Data Segment in This Hierarchical Structure.

Segment: LX Assigned Number

Position: 020

Loop: LX Optional

Level: Detail Usage: Optional

Max Use: 1

Purpose: To reference a line number in a transaction set

Syntax Notes: Semantic Notes:

Comments:

Notes: When submitting the 811 to any federal agency, use of the LX loop is optional

when HL03 is "1", "2", "3", "5", "6", "7" or "9". This loop is not used in

levels "4" and "8".

Data Element Summary

Number assigned for differentiation within a transaction set

Segment: SI Service Characteristic Identification

Position: 030

Loop: LX Optional

Level: Detail
Usage: Optional

Max Use: 8

Purpose: To specify service characteristic data

Syntax Notes: 1 If either SI04 or SI05 is present, then the other is required.

2 If either SI06 or SI07 is present, then the other is required.

3 If either SI08 or SI09 is present, then the other is required.

4 If either SI10 or SI11 is present, then the other is required.

5 If either SI12 or SI13 is present, then the other is required.

6 If either SI14 or SI15 is present, then the other is required.

7 If either SI16 or SI17 is present, then the other is required.

8 If either SI18 or SI19 is present, then the other is required.

9 If either SI20 or SI21 is present, then the other is required.

Semantic Notes:

Comments:

1 SI01 defines the source for each of the service characteristics qualifiers.

Notes:

1. When submitting the 811 to any federal agency, use of the SI segment is optional when HL03 is "1", "2", "3", "5", "6", "7", or "9".

2. See TCIF section 10.4 for valid values when using data element 1000/234 pairs.

	Ref.	Data				
	Des.	Element	<u>Name</u>		Attributes	
M	SI01	559	Agency Qualifier Code	M	ID 2/2	
			Code identifying the agency assigning the code values			
			TI Telecommunications Industry			
M	SI02	1000	Service Characteristics Qualifier	M	AN 2/2	
			Code from an industry code list qualifying the type of serv characteristics	ice		
M	SI03	234	Product/Service ID	M	AN 1/48	
			Identifying number for a product or service			
	SI04	1000	Service Characteristics Qualifier	X	AN 2/2	
			Code from an industry code list qualifying the type of serv characteristics	ice		
	SI05	234	Product/Service ID	X	AN 1/48	
			Identifying number for a product or service			
	SI06	1000	Service Characteristics Qualifier	X	AN 2/2	
			Code from an industry code list qualifying the type of serv characteristics	ice		
	SI07	234	Product/Service ID	X	AN 1/48	

		Identifying number for a product or service		
SI08	1000	Service Characteristics Qualifier	X	AN 2/2
		Code from an industry code list qualifying the type of service characteristics	ce	
SI09	234	Product/Service ID	X	AN 1/48
		Identifying number for a product or service		
SI10	1000	Service Characteristics Qualifier	X	AN 2/2
		Code from an industry code list qualifying the type of service characteristics	ce	
SI11	234	Product/Service ID	X	AN 1/48
		Identifying number for a product or service		
SI12	1000	Service Characteristics Qualifier	X	AN 2/2
		Code from an industry code list qualifying the type of service characteristics	ce	
SI13	234	Product/Service ID	X	AN 1/48
		Identifying number for a product or service		
SI14	1000	Service Characteristics Qualifier	X	AN 2/2
		Code from an industry code list qualifying the type of service characteristics	ce	
SI15	234	Product/Service ID	X	AN 1/48
		Identifying number for a product or service		
SI16	1000	Service Characteristics Qualifier	X	AN 2/2
		Code from an industry code list qualifying the type of service characteristics	ce	
SI17	234	Product/Service ID	X	AN 1/48
		Identifying number for a product or service		
SI18	1000	Service Characteristics Qualifier	X	AN 2/2
		Code from an industry code list qualifying the type of service characteristics	ce	
SI19	234	Product/Service ID	X	AN 1/48
		Identifying number for a product or service		
SI20	1000	Service Characteristics Qualifier	X	AN 2/2
		Code from an industry code list qualifying the type of service characteristics	ce	
SI21	234	Product/Service ID	X	AN 1/48
		Identifying number for a product or service		

PID Product/Item Description **Segment:**

Position: 040

> LX Loop: **Optional**

Level: Detail Usage: **Optional** Max Use: 200

Purpose: To describe a product or process in coded or free-form format

Syntax Notes: If PID04 is present, then PID03 is required.

- 2 At least one of PID04 or PID05 is required. 3 If PID07 is present, then PID03 is required.
- 4 If PID08 is present, then PID04 is required.
- If PID09 is present, then PID05 is required.

Semantic Notes: Use PID03 to indicate the organization that publishes the code list being referred

- 2 PID04 should be used for industry-specific product description codes.
- PID08 describes the physical characteristics of the product identified in PID04. A "Y" indicates that the specified attribute applies to this item; an "N" indicates it does not apply. Any other value is indeterminate.
- 4 PID09 is used to identify the language being used in PID05.
- **Comments:** If PID01 equals "F", then PID05 is used. If PID01 equals "S", then PID04 is used. If PID01 equals "X", then both PID04 and PID05 are used.
 - Use PID06 when necessary to refer to the product surface or layer being described in the segment.
 - PID07 specifies the individual code list of the agency specified in PID03.

When submitting the 811 to any federal agency, use of the PID segment is **Notes:** optional when HL03 is 1, 2, 3, 5, 6, 7, or 9.

			Data Element Summary		
	Ref.	Data			
	Des.	Element	<u>Name</u>	Att	<u>ributes</u>
M	PID01	349	Item Description Type	\mathbf{M}	ID 1/1
			Code indicating the format of a description		
			Refer to 004010 Data Element Dictionary for acceptable code value		
	PID03 559 Agency Qualifier Code		X	ID 2/2	
			Code identifying the agency assigning the code values		
			AS Assigned by Seller		
	PID04	751	Product Description Code	X	AN 1/12
		A code from an industry code list which provides specific data product characteristic		about a	
	PID05	352	Description	X	AN 1/80
			A free-form description to clarify the related data element content	ents and	their

Segment: REF Reference Identification

Position: 050

Loop: LX Optional

Level: Detail
Usage: Optional
Max Use: >1

Purpose: To specify identifying information

Syntax Notes: 1 At least one of REF02 or REF03 is required.

2 If either C04003 or C04004 is present, then the other is required.

3 If either C04005 or C04006 is present, then the other is required.

Semantic Notes: 1 REF04 contains data relating to the value cited in REF02.

Comments:

Notes: This segment is not used at HL1 (Service Provider Level). Use of the REF

segment is optional when HL03 is 2, 3, 5, 6, 7, or 9.

	Data Element Summary								
	Ref.	Data							
	Des.	Element	<u>Name</u>		Attributes				
M	REF01	128	Reference Identifi	cation Qualifier	M ID 2/3				
			Code qualifying the	e Reference Identification					
			01	American Bankers Assoc. (ABA) Tra Number (Including Check Digit, 9 Dig	•				
			03	Clearing House Interbank Payment Sy Participant Number (3 or 4 Digits)	/stem (CHIPS)				
			05	Clearing House Interbank Payment Sy User Identification (6 digits)	/stem (CHIPS)				
			10	Account Managers Code					
				Identifies the telecommunications mathis account	nager assigned to				
			11	Account Number					
				Number identifies a telecommunication account	ons industry				
			12	Billing Account					
				Account number under which billing	is rendered				
			13	Horizontal Coordinate					
				Positional address, horizontal compor assigned address is based upon a grid					
			14	Master Account Number					
				Account number used to represent incaccounts which have been consolidate summarized	_				
			15	Vertical Coordinate					
				Positional Address, Vertical compone address is based upon a grid mapping	_				

REF02

127

VN VR	Vendor Order Number Vendor ID Number				
VC	Vendor Contract Number				
TJ	Federal Taxpayer's Identification Number	er			
TF	Transfer Number				
SX	Service Interrupt Tracking Number				
SE	Serial Number				
RT	Payee's Financial Institution Transit Rou for Check, Draft or Wire Payments. Rece Depository Financial Institution Transit I Number for ACH Transfers	eivi	ing		er
PX	Previous Invoice Number				
PO	Purchase Order Number				
	Number assigned when a customer order equipment and which appears on bill	rs s	erv	ice a	and
OW	Service Order Number				
OR	Order/Paragraph Number				
OP	Original Purchase Order				
OI	Original Invoice Number				
NP	Partial Payment Number				
LI	Line Item Identifier (Seller's)				
LB	Lockbox				
IV	Seller's Invoice Number				
IT	Internal Customer Number				
НВ	Bill & Hold Invoice Number				
GT	Goods and Service Tax Registration Nur	nbe	er		
GC	Government Contract Number				
F8	Original Reference Number				
EU	End User's Purchase Order Number				
EM	Electronic Payment Reference Number				
EF	Electronic Funds Transfer ID Number				
	Supplementary reference information				
E9	Attachment Code				
DP	Department Number				
DO	Delivery Order Number				
CT	Contract Number				
CR	Customer Reference Number				
CO	Customer Order Number				
CA	Cost Allocation Reference				
BC	Buyer's Contract Number				
3J	Office Number				

Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

REF03 352 Description

X AN 1/80

A free-form description to clarify the related data elements and their content

Segment: AMT Monetary Amount

Position: 060

Loop: LX Optional

Level: Detail
Usage: Optional

Max Use: 5

Purpose: To indicate the total monetary amount

Syntax Notes: Semantic Notes: Comments:

Notes:

When submitting the 811 to any federal agency, use of the AMT segment is

optional when HL03 is "1", "2", "3", "5", "6", "7" or "9".

Data Element Summary

			Data Eleme	ont Summary	
	Ref.	Data			
	Des.	Element	<u>Name</u>		Attributes
\mathbf{M}	AMT01	522	Amount Qualifier	Code	M ID 1/3
			Code to qualify am	ount	
			"6", "KO", "PB",	, and "SC" are the only valid codes at	HL1 (Service
			Provider Level).		
			1	Line Item Total	
			5	Total Invoice Amount	
			6	Amount Subject to Total Monetary Di	scount
			8	Total Monetary Discount Amount	
			AD	Adjusted Total	
			AP	Amount Prior to Fractionalization	
				Full charge amount for the service per prior to pro-rated fractionalization due billing	-
			AQ	Average Price Per Call	
				The total amount of money associated of calls divided by the total number of category calculated to provide call sur	f calls within the
			AS	Average Price Per Minute	
				The total amount of money associated of calls divided by the total number of the category calculated to provide call	f minutes within
			AX	Previous Price	
			BT	Bank Reject Total	
			СН	Change Amount	
			CS	Commission Sales	
				Those sales used to calculate commiss	sion payments

Contract

CT

				Indicates the value stated in the contract
			KO	Committed Amount
			LI	Line Item Unit Price
			N	Net
				Indicates the value remaining after all deductions and adjustments have been made
			NA	Net Adjustment
			NO	Non Commission Sales
				Those sales not included for commission payment calculation
			NS	Net Savings Amount
				Amount of dollar saving resulting from the use of service, such as Optional Calling Plans
			PB	Billed Amount
				Total amount due on the period bill
			SC	Total Service Charge
			TP	Total payment amount
			TS	Total Sales
				The total of commission and non commission sales needed to calculate intersell amount
			TT	Total Transaction Amount
M	AMT02	782	Monetary Amount Monetary amount	M R 1/18

Segment: DTM Date/Time Reference

Position: 070

Loop: LX Optional

Level: Detail Usage: Optional

Max Use: 8

Purpose: To specify pertinent dates and times

Syntax Notes: 1 At least one of DTM02 DTM03 or DTM05 is required.

2 If DTM04 is present, then DTM03 is required.

3 If either DTM05 or DTM06 is present, then the other is required.

Semantic Notes:

Comments:

Notes: When submitting the 811 to any federal agency, use of the DTM segment is

optional when HL03 is 1, 2, 3, 5, 6, 7 or 9.

Data Element Summary

			1	Pata Element Summary
	Ref.	Data		
	Des.	Element	<u>Name</u>	<u>Attributes</u>
M	DTM 01	374		me Qualifier M ID 3/3
			Code sp	ecifying type of date or time, or both date and time
			001	Cancel After
			003	Invoice
			007	Effective
			009	Process
			035	Delivered
			092	Contract Effective
			093	Contract Expiration
			102	Issue
			150	Service Period Start
			151	Service Period End
			152	Effective Date of Change
				Date on which the change went into effect
			153	Service Interruption
			154	Adjustment Period Start
			155	Adjustment Period End
			193	Period Start
			194	Period End
			198	Completion
				Date when the activity was completed
	DTM02	373	Date	X DT 8/8

Date expressed as CCYYMMDD

TXI Tax Information **Segment:**

Position: 080

> LX Loop: **Optional**

Level: Detail Usage: **Optional** Max Use: >1

Purpose: To specify tax information

Syntax Notes: At least one of TXI02 TXI03 or TXI06 is required.

If either TXI04 or TXI05 is present, then the other is required.

3 If TXI08 is present, then TXI03 is required.

Semantic Notes: 1 TXI02 is the monetary amount of the tax.

TXI03 is the tax percent expressed as a decimal.

TXI07 is a code indicating the relationship of the price or amount to the

associated segment.

Comments:

TXI03

Notes: When submitting the 811 to any federal agency, use of the TXI segment is

optional when HL03 is "1", "2", "3", "5", "6", "7" or "9".

Data Element Summary

	Kei.	Data		
	Des.	Element	<u>Name</u>	<u>Attributes</u>
M	TXI01	963	Tax Type Code	M ID 2/2

Code specifying the type of tax

Use any code. The listed codes are preferred.

CA City Tax

FD Federal Tax

FI Federal Income Tax Withholding

FT Federal Excise Tax

FR Franchise Tax

GR Gross Receipts Tax

LS State and Local Sales Tax

MP Municipal Tax

OT Occupation Tax

PS Service Tax

SA State or Provincial Fuel Tax

SC School Tax

SE Excise Tax

TD Handicap Deaf Tax

UL Business Tax

ZE 911 Tax

Percent

Refer to 004010 Data Element Dictionary for acceptable code values.

TXI02 **782** X R 1/18 **Monetary Amount** Monetary amount 954 X R 1/10

004010D811T0 43 September 25, 2000

		Percentage expr	ressed as a decimal			
		Tax rate for thi	s tax jurisdiction.			
TXI04	955	Tax Jurisdictio	on Code Qualifier	X	ID 2/2	
		Code identifying	Code identifying the source of the data used in tax jurisdict			
		Refer to 004010	Data Element Dictionary for acceptable	code	values.	
TXI05	956	Tax Jurisdictio	on Code	X	AN 1/10	
		Code identifying	Code identifying the taxing jurisdiction			
TXI06	441	Tax Exempt Co	ode	X	ID 1/1	
		Code identifying	g exemption status from sales and use tax			
		1	Yes (Tax Exempt)			
		2	No (Not Tax Exempt)			
		5	Exempt (Not For Resale)			
		8	Exempt (Sale to U.S. Government)			
		9	Exempt (Per State Law)			
		C	Not Taxable			
TXI07	662	Relationship C	ode	0	ID 1/1	
		Code indicating	the relationship between entities			
		A	Add			
		D	Delete			
		O	Information Only			
			Charges which relate to but may not added to the unit price of the SLN. (i			
			WATS calculation based upon usage		-	
TXI08	828	Dollar Basis Fo	or Percent	O	R 1/9	
		Dollar basis to bor tax	be used in the percent calculation of the al	lowa	nce, charge	
TXI09	325	Tax Identificat	ion Number	0	AN 1/20	
		(state, county, e	ed to a purchaser (buyer, orderer) by a taxitc.); often called a tax exemption number			
/DX/#40	250	number	• • •	_	A NI 4 /00	
TXI10	350	Assigned Ident		0	AN 1/20	
		Alphanumeric c	haracters assigned for differentiation with	in a 1	transaction	

Segment: QTY Quantity

Position: 090

Loop: QTY Optional

Level: Detail Usage: Optional

Max Use: 1

Purpose: To specify quantity information

Syntax Notes: 1 At least one of QTY02 or QTY04 is required.

2 Only one of QTY02 or QTY04 may be present.

Semantic Notes: 1 QTY04 is used when the quantity is non-numeric.

Comments:

Notes: When submitting the 811 to any federal agency, use of the QTY loop is optional

when HL03 is "1", "2", "3", "5", "6", "7" or "9".

	Data Element Summary							
	Ref.	Data						
	Des.	Element	<u>Name</u>		<u>Attributes</u>			
M	QTY01	673	Quantity Qualifier		M ID 2/2			
			Code specifying the	** * *				
			01	Discrete Quantity				
			02	Cumulative Quantity				
			27	Committed Quantity				
			38	Original Quantity				
			47	Primary Net Quantity				
			90	Acknowledged Quantity				
				Network Recognition for message rec	eipt			
			91	Additional Usage Quantity				
				The amount of usage incurred above t allowable use for a service	he allotted or			
			92	Allotted Usage Quantity				
				The amount of allowable usage related	d to a service			
			93	Attendant-Handled Quantity				
				Manual Recognition for message rece	ipt			
			94	Billable Quantity				
				Number of billable units used				
			95	Data Storage Quantity				
				Number of storage units used				
			96	Non-Billable Quantity				
				Number of non-billable units				
			97	Non-Urgent Delivery Quantity				
				Number of units delivered in non-urge	ent status			
			98	Overflow Quantity				
				Number of overflow messages, (Busy	condition count			

				for 800 service)	
			99	Quantity Used	
				Quantity of units used	
			AA	Unacknowledged Quantity	
			1 11 1	Message received without network, or attendant	
				recognition	
			AB	Urgent Delivery Quantity	
				Number of units delivered in urgent status	
			AC	Voice Storage Quantity	
				Number of voice storage units used	
			AD	Maintenance Units	
				Number of units of maintenance provided	
			AE	Minimum Average Time Requirement (MATR) U	Units
				Number of units calculated at a minimum usage rebasis, such as X minutes per message	rating
			AF	Wide Area Telephone Service (WATS)/800 Serv Units	ice
				Number of units of usage, for WATS or 800 serv	rice
			AG	Number of End Users	
				Number of participating users	
			AH	Number of Message Recipients	
				Number of recipients	
			AI	Number of Operator Credits	
				Number of operator credits given	
			AJ	Daily Adjustments	
			NS	Number of Stations	
				Number of stations, or terminating points, which in use, deleted, added, etc. for service delivery; p or lines on a computer, for example	
Must Use	QTY02	380	Quantity	X R 1/1	15
			Numeric value of		
	QTY03	C001	Composite Unit o	• •	
			-	posite unit of measure (See Figures Appendix for	
M	C00101	355	_	Measurement Code M ID 2/	/2
				ne units in which a value is being expressed, or man	
			03	Seconds	
			12	Packet	
			1X	Quarter Mile	
			AD	Bytes	
				A computer string of data that consists of a quant	tity
					-

of bits, treated as a unit; a bit is a binary digit ΑH Additional Minutes The minutes, usually associated with usage-sensitive pricing of telecommunication services, which are above the minutes allowed for that particular service AL Access Lines Number of lines subject to Carrier Access Line Charges C0Calls Number of calls handled DA Days DC Disk (Disc) DH Miles DK Kilometers DQ Data Records Number of Data Records handled DY **Directory Books** Number of directory books delivered to customer EΑ Each Electronic Mail Boxes EB Number of Electronic Mail Boxes established for an account EV Envelope G7 Microfiche Sheet A film that contains photographed documents greatly reduced in size H1 Half Pages - Electronic Number of electronic half pages of data delivered HR Hours HT Half Hour KB Kilocharacters Kilocharacters of data transmitted KF Kilopackets Kilopackets of data transmitted KJ Kilosegments Kilosegments of data transmitted M0Magnetic Tapes Number of Magnetic Tapes delivered with data Monetary Value M4 MJ Minutes MO Months

Meter

MR

NF	Messages
111	Number of Messages transmitted, or delivered
NH	Message Hours
	Number of hours used, calculated at some rate basis such as Minutes/message carried
NJ	Number of Screens
	Number of data screens handled, or transmitted
OT	Overtime Hours
P0	Pages - Electronic
	Number of electronic pages of data delivered
P1	Percent
QA	Pages - Facsimile
	Number of FAX pages transmitted
QB	Pages - Hardcopy
	Number of printed pages delivered
QH	Quarter Hours
	Number of 15 minute increments of usage handled
RS	Resets
	Number of times a transmission is reset due to line drop, interrupt, etc.
S6	Sessions
	Number of interactive sessions handled
S7	Storage Units
	Number of storage increments used
SG	Segment
T0	Telecommunications Lines in Service
	Snapshot sample of lines in service
UB	Telecommunications Lines in Service - Average
	Average number of lines in service specific to equal access requirements
UC	Telecommunications Ports
	Number of network access ports
UD	Tenth Minutes
	Number of 6 second increments of usage
UE	Tenth Hours
	Number of 6 minute increments of usage
UF	Usage per Telecommunications Line - Average
UN	Unit
ZZ	Mutually Defined

Segment: SI Service Characteristic Identification

Position: 100

Loop: QTY Optional

Level: Detail Usage: Optional

Max Use: 1

Purpose: To specify service characteristic data

Syntax Notes: 1 If either SI04 or SI05 is present, then the other is required.

2 If either SI06 or SI07 is present, then the other is required.

3 If either SI08 or SI09 is present, then the other is required.

4 If either SI10 or SI11 is present, then the other is required.

5 If either SI12 or SI13 is present, then the other is required.

6 If either SI14 or SI15 is present, then the other is required.

7 If either SI16 or SI17 is present, then the other is required.

8 If either SI18 or SI19 is present, then the other is required.

9 If either SI20 or SI21 is present, then the other is required.

Semantic Notes:

Comments:

1 SI01 defines the source for each of the service characteristics qualifiers.

Notes:

1. When submitting the 811 to any federal agency, use of the SI segment is optional when HL03 is "1", "2", "3", "5", "6", "7" or "9".

2. See TCIF section 10.4 for valid values when using data element 1000/234 pairs.

	Ref.	Data	•		
	Des.	Element	<u>Name</u>	Att	<u>ributes</u>
M	SI01	559	Agency Qualifier Code	M	ID 2/2
			Code identifying the agency assigning the code values		
			TI Telecommunications Industry		
M	SI02	1000	Service Characteristics Qualifier	M	AN 2/2
			Code from an industry code list qualifying the type of serv characteristics	ice	
M	SI03	234	Product/Service ID	M	AN 1/48
			Identifying number for a product or service		
	SI04	1000	Service Characteristics Qualifier	X	AN 2/2
			Code from an industry code list qualifying the type of serv characteristics	ice	
	SI05	234	Product/Service ID	X	AN 1/48
			Identifying number for a product or service		
	SI06	1000	Service Characteristics Qualifier	X	AN 2/2
			Code from an industry code list qualifying the type of serv characteristics	ice	
	SI07	234	Product/Service ID	X	AN 1/48

		Identifying number for a product or service		
SI08	1000	Service Characteristics Qualifier	X	AN 2/2
		Code from an industry code list qualifying the type of service characteristics	ce	
SI09	234	Product/Service ID	X	AN 1/48
		Identifying number for a product or service		
SI10	1000	Service Characteristics Qualifier	X	AN 2/2
		Code from an industry code list qualifying the type of servic characteristics	e	
SI11	234	Product/Service ID	X	AN 1/48
		Identifying number for a product or service		
SI12	1000	Service Characteristics Qualifier	X	AN 2/2
		Code from an industry code list qualifying the type of servic characteristics	e	
SI13	234	Product/Service ID	X	AN 1/48
		Identifying number for a product or service		
SI14	1000	Service Characteristics Qualifier	X	AN 2/2
		Code from an industry code list qualifying the type of servic characteristics	e	
SI15	234	Product/Service ID	X	AN 1/48
		Identifying number for a product or service		
SI16	1000	Service Characteristics Qualifier	X	AN 2/2
		Code from an industry code list qualifying the type of servic characteristics	e	
SI17	234	Product/Service ID	X	AN 1/48
		Identifying number for a product or service		
SI18	1000	Service Characteristics Qualifier	X	AN 2/2
		Code from an industry code list qualifying the type of servic characteristics	e	
SI19	234	Product/Service ID	X	AN 1/48
		Identifying number for a product or service		
SI20	1000	Service Characteristics Qualifier	X	AN 2/2
		Code from an industry code list qualifying the type of servic characteristics	e	
SI21	234	Product/Service ID	X	AN 1/48
		Identifying number for a product or service		

NM1 Individual or Organizational Name **Segment:**

Position: 110

> Loop: NM1 Optional

Level: Detail Usage: **Optional**

Max Use:

Purpose: To supply the full name of an individual or organizational entity **Syntax Notes:** If either NM108 or NM109 is present, then the other is required.

If NM111 is present, then NM110 is required.

Semantic Notes: NM102 qualifies NM103.

> **Comments:** NM110 and NM111 further define the type of entity in NM101.

When submitting the 811 to any federal agency, use of the NM1 loop is optional **Notes:** when HL03 is "2", "3", "5", "6", or "7", and is required when HL03 is "1".

			Data Eleme	ent Summary	
	Ref.	Data			
	<u>Des.</u>	<u>Element</u>	Name		<u>Attributes</u>
M	NM101	98	Entity Identifier C		M ID 2/3
			Code identifying an an individual	n organizational entity, a physical locati	on, property or
			1. ''SJ'' is the only	valid code at HL1 (Service Provider L	.evel).
			HL3 (Sub-Billing 2)	' are invalid at HL2 (Billing Arrangem Arrangement Level). GP'', ''IA'', ''OB'', and ''P9'' are the or	nly valid codes
			at HL5 (Category Level).	Level), HL6 (Subcategory Level) and I	1L/ (1ype
			AG	Agent/Agency	
			AK	Party to Whom Acknowledgment Sho	uld Be Sent
			AO	Account Of	
			BS	Bill and Ship To	
			C3	Circuit Location Identifier	
				Identifies the address information as the assigned to a circuit location address	hat which is
			CA	Carrier	
			CT	Country of Origin	
			EN	End User	
			GP	Gateway Provider	
				Identifies a gateway access provider	
			IA	Installed At	
			NN	Network Name	
				Identifies the name of the telecommunetwork, e.g., Envoy	nications

			OB	Ordered By		
			P9	Primary Interexchange Carrier (PIC)		
				Identifies the carrier who will handle interexchange calls	the	
			PE	Payee		
			PM	Party to receive paper Memo of Invoi	ce	
			PR	Payer		
			RI	Remit To		
			RL	Reporting Location		
			SE	Selling Party		
			SJ	Service Provider		
				Identifies name and address information to a service provider for which billing		
M	NM102	1065	Entity Type Qua	lifier	M	ID 1/1
			Code qualifying the	he type of entity		
			Use only code ''2	'' for federal government invoices.		
			2	Non-Person Entity		
	NM103	1035	Name Last or Or	ganization Name	0	AN 1/35
			Individual last nar	me or organizational name		
	NM104	1036	Name First		0	AN 1/25
			Individual first na	me		
	NM105	1037	Name Middle		0	AN 1/25
			Individual middle	name or initial		
	NM106	1038	Name Prefix		0	AN 1/10
			Prefix to individua	al name		
	NM107	1039	Name Suffix		0	AN 1/10
			Suffix to individua	al name		
	NM108	66	Identification Co	ode Qualifier	X	ID 1/2
			Code designating Identification Cod	the system/method of code structure used le (67)	ed for	•
			1	D-U-N-S Number, Dun & Bradstreet		
			9	D-U-N-S+4, D-U-N-S Number with I Suffix	Four (Character
			10	Department of Defense Activity Adda (DODAAC)	ess C	Code
			33	Commercial and Government Entity (CAG	iE)
			40	Electronic Mail User Code		
				Identifies the Electronic Mail User lo maintained between trading partners	cally	defined and
			41	Telecommunications Carrier Identific	ation	Code
				Identifies the Interexchange carrier for being billed	or the	charges

		42	Telecommunications Pseudo Carrier Identification
			Code
			A code similar to the standard Carrier Identification Code which is used to identify the local exchange service providers
		91	Assigned by Seller or Seller's Agent
		92	Assigned by Buyer or Buyer's Agent
		ZY	Temporary Identification Number
			A temporary ID to be used until a permanent ID is processed
NM109	67	Identification Co	de X AN 2/80
		Code identifying	a party or other code

Segment: N2 Additional Name Information

Position: 120

Loop: NM1 Optional

Level: Detail
Usage: Optional

Max Use: 2

Purpose: To specify additional names or those longer than 35 characters in length

Syntax Notes: Semantic Notes:

Comments:

Notes: When submitting the 811 to any federal agency, use of the N2 segment is

optional when HL03 is "1", "2", "3", "5", "6", or "7".

	Ref.	Data		
	Des.	Element	<u>Name</u>	<u>Attributes</u>
M	N201	93	Name	M AN 1/60
			Free-form name	
	N202	93	Name	O AN 1/60
			Free-form name	

Segment: N3 Address Information

Position: 130

Loop: NM1 Optional

Level: Detail
Usage: Optional

Max Use: 2

Purpose: To specify the location of the named party

Syntax Notes: Semantic Notes:

Comments:

Notes: When submitting the 811 to any federal agency, use of the N3 segment is

optional when HL03 is "1", "2", "3", "5", "6", or "7".

	Ref.	Data		
	Des.	Element	<u>Name</u>	<u>Attributes</u>
M	N301	166	Address Information	M AN 1/55
			Address information	
	N302	166	Address Information	O AN 1/55
			Address information	

Segment: N4 Geographic Location

Position: 140

Loop: NM1 Optional

Level: Detail Usage: Optional

Max Use: 1

Purpose: To specify the geographic place of the named partySyntax Notes: 1 If N406 is present, then N405 is required.

Semantic Notes:

Comments: 1 A combination of either N401 through N404, or N405 and N406 may be

adequate to specify a location.

2 N402 is required only if city name (N401) is in the U.S. or Canada.

Notes: When submitting the 811 to any federal agency, use of the N4 segment is optional when HL03 is "1", "2", "3", "5", "6", or "7".

Data Element Summary

Ref.	Data				
Des.	Element	<u>Name</u>		Att	<u>ributes</u>
N401	19	City Name		O	AN 2/30
		Free-form text for	city name		
N402	156	State or Province	Code	0	ID 2/2
		Code (Standard Stagency	ate/Province) as defined by appropriate	gove	ernment
N403	116	Postal Code		O	ID 3/15
		Code defining inte blanks (zip code fo	ernational postal zone code excluding por United States)	unctu	ation and
N404	26	Country Code		O	ID 2/3
		Code identifying the	he country		
N405	309	Location Qualifie	er	X	ID 1/2
		Code identifying t	ype of location		
		AC	City and State		
		CC	Country		
		CI	City		
		SP	State/Province		
N406	310	Location Identifie	er	O	AN 1/30

Code which identifies a specific location

Segment: REF Reference Identification

Position: 150

Loop: NM1 Optional

Level: Detail Usage: Optional

Max Use: 2

Purpose: To specify identifying information

Syntax Notes: 1 At least one of REF02 or REF03 is required.

2 If either C04003 or C04004 is present, then the other is required.

3 If either C04005 or C04006 is present, then the other is required.

Semantic Notes: 1 REF04 contains data relating to the value cited in REF02.

Comments:

Notes: When submitting the 811 to any federal agency, use of the REF segment is

optional when HL03 is "1", "2', "3", "5", "6", or "7".

			Data Elen	nent Summary	
M	Ref. <u>Des.</u> REF01	Data Element 128	<u>Name</u> Reference Identi	fication Qualifier	Attributes M ID 2/3
			Code qualifying the	he Reference Identification	
			"10", "CR", "EF	F", "GT", "IV", "LB", "RT", "TF" ai	ıd ''VC'' are
			the only valid cod	les at HL1 (Service Provider Level).	
			01	American Bankers Assoc. (ABA) Tra Number (Including Check Digit, 9 Digits)	•
			03	Clearing House Interbank Payment Sy Participant Number (3 or 4 Digits)	vstem (CHIPS)
			05	Clearing House Interbank Payment Sy User Identification (6 digits)	vstem (CHIPS)
			10	Account Managers Code	
				Identifies the telecommunications mathis account	nager assigned to
			11	Account Number	
				Number identifies a telecommunication account	ons industry
			12	Billing Account	
				Account number under which billing	is rendered
			13	Horizontal Coordinate	
				Positional address, horizontal comporassigned address is based upon a grid	
			14	Master Account Number	
				Account number used to represent incaccounts which have been consolidate summarized	•
			15	Vertical Coordinate	

Positional Address, Vertical component. The assigned address is based upon a grid mapping scheme 3J Office Number BC Buyer's Contract Number CA Cost Allocation Reference Customer Order Number CO Customer Reference Number CR CT Contract Number DP Department Number E9 Attachment Code Supplementary reference information EF Electronic Funds Transfer ID Number **EM** Electronic Payment Reference Number End User's Purchase Order Number EU F8 Original Reference Number GCGovernment Contract Number GT Goods and Service Tax Registration Number HB Bill & Hold Invoice Number IT **Internal Customer Number** IV Seller's Invoice Number LB Lockbox LI Line Item Identifier (Seller's) NP Partial Payment Number OI Original Invoice Number OP Original Purchase Order OR Order/Paragraph Number OW Service Order Number Number assigned when a customer orders service and equipment and which appears on bill PO Purchase Order Number PX Previous Invoice Number RT Payee's Financial Institution Transit Routing Number for Check, Draft or Wire Payments. Receiving Depository Financial Institution Transit Routing Number for ACH Transfers SE Serial Number SXService Interrupt Tracking Number TF Transfer Number TJ Federal Taxpayer's Identification Number VC Vendor Contract Number VN Vendor Order Number VR Vendor ID Number

REF02	127	Reference Identification	X	AN 1/30		
		Reference information as defined for a particular Transac specified by the Reference Identification Qualifier	tion S	Set or as		
REF03	352	Description	X	AN 1/80		
		A free-form description to clarify the related data elements and their content				

Segment: PER Administrative Communications Contact

Position: 160

Loop: NM1 Optional

Level: Detail
Usage: Optional
Max Use: >1

Purpose: To identify a person or office to whom administrative communications should be

directed

Syntax Notes: 1 If either PER03 or PER04 is present, then the other is required.

2 If either PER05 or PER06 is present, then the other is required.

3 If either PER07 or PER08 is present, then the other is required.

Semantic Notes:

Comments:

Notes: When submitting the 811 to any federal agency, use of the PER segment is

optional when HL03 is "1", "2", "3", "5", "6", or "7".

Data Element Summary

			Data Elem	ent Summary	
	Ref.	Data			
	Des.	Element	<u>Name</u>		Attributes
M	PER01	366	Contact Function	Code	M ID 2/2
			Code identifying tl	ne major duty or responsibility of the pe	rson or group
			named		
			AD	Accounting Department	
			BD	Buyer Name or Department	
			BI	Bill Inquiry Contact	
				Service Provider contact for making in information on the invoice	nquires about
			CC	Computer Systems Contact	
			DA	Directory Advertising Contact	
				Service Provider contact for questions changes to, directory advertising	about, and
			IC	Information Contact	
			MA	Maintenance Contact	
				Service Provider contact for requestin maintenance, or reporting problems	g service
			OC	Order Contact	
			OD	Order Department	
			PM	Product Manager	
			QA	Quality Assurance Contact	
			SR	Sales Representative or Department	
			TR	Technical Marketing Representative	
	PER02	93	Name		O AN 1/60

Free-form name

PER03 365 **Communication Number Qualifier** X ID 2/2 Code identifying the type of communication number AU Defense Switched Network Department of Defense telecommunications system and successor of the Automatic Voice Network (AUTOVON) This code is to be used only within the federal government. EM Electronic Mail FX Facsimile TE Telephone PER04 364 X AN 1/80 **Communication Number** Complete communications number including country or area code when applicable PER05 365 X ID 2/2 **Communication Number Qualifier** Code identifying the type of communication number ΑU Defense Switched Network Department of Defense telecommunications system and successor of the Automatic Voice Network (AUTOVON) This code is to be used only within the federal government. EM Electronic Mail FX Facsimile TE Telephone PER06 364 **Communication Number** X AN 1/80

Complete communications number including country or area code when applicable

Segment: TXI Tax Information

Position: 170

Loop: NM1 Optional

Level: Detail
Usage: Optional
Max Use: >1

Purpose: To specify tax information

Syntax Notes: 1 At least one of TXI02 TXI03 or TXI06 is required.

2 If either TXI04 or TXI05 is present, then the other is required.

3 If TXI08 is present, then TXI03 is required.

Semantic Notes: 1 TXI02 is the monetary amount of the tax.

2 TXI03 is the tax percent expressed as a decimal.

3 TXI07 is a code indicating the relationship of the price or amount to the

associated segment.

Comments:

Notes: When submitting the 811 to any federal agency, use of the TXI segment is

optional when HL03 is "1", "2", "3", "5", "6" or "7".

Data Element Summary

	Kei.	Data		
	Des.	Element	<u>Name</u>	<u>Attributes</u>
M	TXI01	963	Tax Type Code	M ID 2/2

Code specifying the type of tax

Use any code. The listed codes are preferred.

CA City Tax

FD Federal Tax

FI Federal Income Tax Withholding

FT Federal Excise Tax

FR Franchise Tax

GR Gross Receipts Tax

LS State and Local Sales Tax

MP Municipal Tax

OT Occupation Tax

PS Service Tax

SA State or Provincial Fuel Tax

SC School Tax

SE Excise Tax

TD Handicap Deaf Tax

UL Business Tax

ZE 911 Tax

Refer to 004010 Data Element Dictionary for acceptable code values.

TXI02 782 Monetary Amount X R 1/18

Monetary amount

TXI03 954 Percent X R 1/10

		i ciccitage express	sed as a decimal		
		Tax rate for this ju	ırisdiction.		
TXI04	955	Tax Jurisdiction	Code Qualifier	X	ID 2/2
		Code identifying th	ne source of the data used in tax jurisdic	tion	code
		Refer to 004010 D	ata Element Dictionary for acceptable c	ode	values.
TXI05	956	Tax Jurisdiction (Code	X	AN 1/10
		Code identifying th	ne taxing jurisdiction		
TXI06	441	Tax Exempt Code	2	X	ID 1/1
		Code identifying e	xemption status from sales and use tax		
		1	Yes (Tax Exempt)		
		2	No (Not Tax Exempt)		
		5	Exempt (Not For Resale)		
		8	Exempt (Sale to U.S. Government)		
		9	Exempt (Per State Law)		
		C	Not Taxable		
TXI07	662	Relationship Code	e	O	ID 1/1
		Code indicating the	e relationship between entities		
		A	Add		
		D	Delete		
		O	Information Only		
			Charges which relate to but may not b		
			added to the unit price of the SLN. (i.e.		-
TXI08	828	Dollar Basis For l	WATS calculation based upon usage	amoi 0	R 1/9
1 A100	040		used in the percent calculation of the all	_	
		or tax	ased in the percent calculation of the an	Owa	nee, charge
TXI09	325	Tax Identification	Number	O	AN 1/20
		Number assigned t	o a purchaser (buyer, orderer) by a taxii	ng ju	risdiction
		(state, county, etc.)	; often called a tax exemption number of	or ce	rtificate
TXI10	350	Assigned Identific	cation	O	AN 1/20
			racters assigned for differentiation with	in a t	ransaction

Segment: ITA Allowance, Charge or Service

Position: 180

Loop: ITA Optional

Level: Detail Usage: Optional

Max Use: 1

Purpose: To specify allowances, charges, or services

Syntax Notes: 1 If ITA02 is present, then at least one of ITA03 ITA13 or ITA14 is required.

2 If ITA08 is present, then ITA09 is required.

3 If either ITA10 or ITA11 is present, then the other is required.

4 If ITA15 is present, then ITA02 is required.
5 If ITA17 is present, then ITA12 is required.

Semantic Notes: 1 ITA09 is the allowance or charge percent.

2 ITA10 is the quantity basis when the allowance or charge quantity is different from the purchase order or invoice quantity.

3 ITA12 is the quantity of free goods.

Comments: 1 If ITA01 equals "A" - allowance or "C" - charge, then at least one of ITA06, ITA07, or ITA08 must be present.

2 ITA02 identifies the source of the code value in ITA03 or ITA15.

3 If ITA07 is present with either ITA06 or ITA08, then ITA07 takes precedence.

4 ITA13 is used to clarify the allowance, charge, or service.

5 ITA15 specifies the individual code list of the agency specified in ITA02.

6 ITA16 describes the relationship of ITA06, ITA07 or ITA09 to an associated segment.

Notes: When submitting the 811 to any federal agency, use of the ITA loop is optional when HL03 is "1", "2", "3", "5", "6", or "7".

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	Ref.	Data				
	Des.	Element	<u>Name</u>		Att	<u>ributes</u>
M	ITA01	248	Allowance or Ch	narge Indicator	\mathbf{M}	ID 1/1
			Code which indic	eates an allowance or charge for the servi	ce sp	ecified
			A	Allowance		
			C	Charge		
			N	No Allowance or Charge		
	ITA02	559	Agency Qualifie	r Code	X	ID 2/2
			Code identifying	the agency assigning the code values		
			TI	Telecommunications Industry		
	ITA03	560	Special Services	Code	X	ID 2/10
			Code identifying	the special service		
			See TCIF Section	n 10.4 for valid values.		
M	ITA04	331	Allowance or Ch	narge Method of Handling Code	M	ID 2/2
			Code indicating r	nethod of handling for an allowance or c	harge	e
			04	Credit Customer Account		

		06	Charge to be Paid by Customer		
		ZZ	Mutually Defined		
ITA05	341	Allowance or C	Charge Number C	AN 1/16	
		The number ass deal or charge			
ITA07	360	_	Charge Total Amount C	N2 1/15	
			ount for the allowance or charge		
ITA08	378		arge Percent Qualifier C	ID 1/1	
		Code indicating	g on what basis allowance or charge percent is	calculated	
		9	Late Payment Charge Base Amount		
			Amount outstanding after the past due da subject to a late payment charge	te, and	
ITA09	332	Percent	X	R 1/6	
		Percent express	ed as a percent		
ITA10	380	Quantity	X	R 1/15	
		Numeric value	of quantity		
ITA11	355	Unit or Basis fo	or Measurement Code X	ID 2/2	
			g the units in which a value is being expressed surement has been taken	, or manner	
		03	Seconds		
		12	Packet		
		1X	Quarter Mile		
		AD	Bytes		
			A computer string of data that consists of bits, treated as a unit; a bit is a binary		
		AH	Additional Minutes		
			The minutes, usually associated with usage-sensiti pricing of telecommunication services, which are above the minutes allowed for that particular servi		
		AL	Access Lines		
			Number of lines subject to Carrier Acces Charges	s Line	
		C0	Calls		
			Number of calls handled		
		DA	Days		
		DC	Disk (Disc)		
		DH	Miles		
		DK	Kilometers		
		DQ	Data Records		
			Number of Data Records handled		
		DY	Directory Books		
			Number of directory books delivered to o	ustomer	

EA Each Electronic Mail Boxes EB Number of Electronic Mail Boxes established for an account EV Envelope G7 Microfiche Sheet A film that contains photographed documents greatly reduced in size H1 Half Pages - Electronic Number of electronic half pages of data delivered HR Hours HT Half Hour KB Kilocharacters Kilocharacters of data transmitted KF **Kilopackets** Kilopackets of data transmitted KJ Kilosegments Kilosegments of data transmitted M0Magnetic Tapes Number of Magnetic Tapes delivered with data Monetary Value M4 MJ Minutes MO Months MR Meter NF Messages Number of Messages transmitted, or delivered NH Message Hours Number of hours used, calculated at some rate basis such as Minutes/message carried NJ Number of Screens Number of data screens handled, or transmitted OT Overtime Hours P0 Pages - Electronic Number of electronic pages of data delivered P1 Percent Pages - Facsimile QA Number of FAX pages transmitted QB Pages - Hardcopy Number of printed pages delivered QH **Ouarter Hours** Number of 15 minute increments of usage handled

Number of times a transmission is reset due to line drop, interrupt, etc. S6 Sessions Number of interactive sessions handled S7 Storage Units Number of storage increments used SG Segment T0 Telecommunications Lines in Service Snapshot sample of lines in service UB Telecommunications Lines in Service - Average Average number of lines in service specific to equal access requirements UC Telecommunications Ports Number of network access ports UD Tenth Minutes Number of 6 second increments of usage UE Tenth Hours Number of 6 minute increments of usage UF Usage per Telecommunications Line - Average UN Unit ZZ Mutually Defined ITA13 352 Description A free-form description to clarify the related data elements and their content ITA14 150 Special Charge or Allowance Code See TCIF Section 10.4 for valid values. Refer to 004010 Data Element Dictionary for acceptable code values. ITA16 662 Relationship Code O ID 1/1 Code indicating the relationship between entities Code "I" is only valid in HLs 4 - 9. A Add D Delete I Included O Information Only Charges which relate to but may not be included in or added to the unit price of the SLN. (i.e., compute WATS calculation based upon usage amounts)			RS	Resets			
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Code indicating the relationship between entities Code "I" is only valid in HLs 4 - 9. A Add D Delete I Included O Information Only Charges which relate to but may not be included in or added to the unit price of the SLN. (i.e., compute			Refer to 004010	Data Element Dictionary for acceptable	code	values.	
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added to the unit price of the SLN. (i.e., compute			O	Information Only			
			added to the unit price of the SLN. (i.e., compute				

Segment: DTM Date/Time Reference

Position: 190

Loop: ITA Optional

Level: Detail Usage: Optional

Max Use: 1

Purpose: To specify pertinent dates and times

Syntax Notes: 1 At least one of DTM02 DTM03 or DTM05 is required.

2 If DTM04 is present, then DTM03 is required.

3 If either DTM05 or DTM06 is present, then the other is required.

Semantic Notes:

Comments:

Notes: When submitting the 811 to any federal agency, use of the DTM segment is

optional when HL03 is "1", "2", "3", "5", "6", or "7".

Data Element Summary

	Ref.	Data		•		
	Des.	Element	<u>Name</u>	<u> 4</u>	\ttr	<u>ributes</u>
M	DTM01	374	Date/Time Qualif	äer I	M	ID 3/3
			Code specifying ty	ppe of date or time, or both date and time		
			001	Cancel After		
			003	Invoice		
			007	Effective		
			009	Process		
			035	Delivered		
			092	Contract Effective		
			093	Contract Expiration		
			102	Issue		
			150	Service Period Start		
			151	Service Period End		
			152	Effective Date of Change		
				Date on which the change went into effe	ect	
			153	Service Interruption		
			154	Adjustment Period Start		
			155	Adjustment Period End		
	DTM02	373	Date		X	DT 8/8

Date expressed as CCYYMMDD

Segment: TXI Tax Information

Position: 200

Loop: ITA Optional

Level: Detail
Usage: Optional
Max Use: >1

Purpose: To specify tax information

Syntax Notes: 1 At least one of TXI02 TXI03 or TXI06 is required.

2 If either TXI04 or TXI05 is present, then the other is required.

3 If TXI08 is present, then TXI03 is required.

Semantic Notes: 1 TXI02 is the monetary amount of the tax.

2 TXI03 is the tax percent expressed as a decimal.

3 TXI07 is a code indicating the relationship of the price or amount to the associated segment.

Comments:

Notes: When submitting the 811 to any federal agency, use of this segment is optional

when HL03 is "1", "2", "3", "5", "6", or "7".

Data Element Summary

	Kei.	Data		
	Des.	Element	<u>Name</u>	<u>Attributes</u>
M	TXI01	963	Tax Type Code	M ID 2/2

Code specifying the type of tax

Use any code. The listed codes are preferred.

CA City Tax

FD Federal Tax

FI Federal Income Tax Withholding

FT Federal Excise Tax

FR Franchise Tax

GR Gross Receipts Tax

LS State and Local Sales Tax

MP Municipal Tax

OT Occupation Tax

PS Service Tax

SA State or Provincial Fuel Tax

SC School Tax

SE Excise Tax

TD Handicap Deaf Tax

UL Business Tax

ZE 911 Tax

Refer to 004010 Data Element Dictionary for acceptable code values.

TXI02 782 Monetary Amount X R 1/18

Monetary amount

TXI03 954 Percent X R 1/10

Percentage expressed as a decimal Tax rate for this jurisdiction. TXI04 955 X ID 2/2 Tax Jurisdiction Code Qualifier Code identifying the source of the data used in tax jurisdiction code Refer to 004010 Data Element Dictionary for acceptable code values. **TXI05** 956 **Tax Jurisdiction Code** X AN 1/10 Code identifying the taxing jurisdiction TXI06 441 Tax Exempt Code X ID 1/1 Code identifying exemption status from sales and use tax 1 Yes (Tax Exempt) 2 No (Not Tax Exempt) 5 Exempt (Not For Resale) 8 Exempt (Sale to U.S. Government) 9 Exempt (Per State Law) C Not Taxable **TXI07** 662 **Relationship Code** O ID 1/1 Code indicating the relationship between entities Α Add D Delete O **Information Only** Charges which relate to but may not be included in or added to the unit price of the SLN. (i.e., compute WATS calculation based upon usage amounts) TXI08 828 **Dollar Basis For Percent** O R 1/9 Dollar basis to be used in the percent calculation of the allowance, charge or tax TXI09 325 O AN 1/20 Tax Identification Number Number assigned to a purchaser (buyer, orderer) by a taxing jurisdiction (state, county, etc.); often called a tax exemption number or certificate number TXI10 350 **Assigned Identification** O AN 1/20 Alphanumeric characters assigned for differentiation within a transaction set

Segment: IT1 Baseline Item Data (Invoice)

Position: 210

Loop: IT1 Optional

Level: Detail Usage: Optional

Max Use: 1

Purpose: To specify the basic and most frequently used line item data for the invoice and

related transactions

Syntax Notes: 1 If any of IT102 IT103 or IT104 is present, then all are required.

- 2 If either IT106 or IT107 is present, then the other is required.
- 3 If either IT108 or IT109 is present, then the other is required.
- 4 If either IT110 or IT111 is present, then the other is required.
- 5 If either IT112 or IT113 is present, then the other is required.
- If either IT114 or IT115 is present, then the other is required.
- 7 If either IT116 or IT117 is present, then the other is required.
- **8** If either IT118 or IT119 is present, then the other is required.
- 9 If either IT120 or IT121 is present, then the other is required.10 If either IT122 or IT123 is present, then the other is required.
- 11 If either IT124 or IT125 is present, then the other is required.

Semantic Notes:

Comments:

1 IT101 is the purchase order line item identification.

1 Element 235/234 combinations should be interpreted to include products and/or services. See the Data Dictionary for a complete list of IDs.

2 IT106 through IT125 provide for ten different product/service IDs for each item. For example: Case, Color, Drawing No., U.P.C. No., ISBN No., Model No., or SKU.

Notes:

- 1. The group level is defined by at least one occurrence of the IT1 loop which may only appear at the group level.
- 2. When submitting the 811 to any federal agency, use of the IT1 segment is required when HL03 is "4".

Data Element Summary

	Ref.	Data					
	Des.	Element	<u>Name</u>		Attributes		
	IT101	350	Assigned Identification	O	AN 1/20		
			Alphanumeric characters assigned for differentiation with set	in a t	ransaction		
Must Use	IT102	358	Quantity Invoiced	X	R 1/10		
			Number of units invoiced (supplier units)				
Must Use	IT103	355	Unit or Basis for Measurement Code	X	ID 2/2		
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken				
			When IT103 = "M4" - Rules of extended pricing do not apply. Proposed TCIF change - At least one M4 code must be used if there are charges at the subordinate levels (5-9). When M4 is used, IT104 equals				

the roll up from lower levels (see TCIF summing rules in TCIF Section

			<i>7.3</i>).			
			EA	Each		
			M4	Monetary Value		
			MO	Months		
Must Use	IT104	212	Unit Price		X	R 1/17
			Price per unit of	product, service, commodity, etc.		
	IT105	639	Basis of Unit Pri	Basis of Unit Price Code		
			Code identifying	the type of unit price for an item		
			BD	Before Discount		
				Full amount for the service prior to ap appropriate discounts	plica	ation of any
			CP	Current Price (Subject to Change)		
			CT	Contract		
			PE	Price per Each		
			PM	Monthly Price Per Unit		
			TE	Contract Price per Each		
	IT106	235	Product/Service ID Qualifier		X	ID 2/2
			Code identifying the type/source of the descriptive number Product/Service ID (234)			d in
			SV	Service Rendered		
	IT107	234	Product/Service ID		X	AN 1/48
			Identifying number for a product or service			
			See TCIF section 10.4 for valid values.			

Segment: SI Service Characteristic Identification

Position: 220

Loop: IT1 Optional

Level: Detail Usage: Optional

Max Use: 2

Purpose: To specify service characteristic data

Syntax Notes: 1 If either SI04 or SI05 is present, then the other is required.

- 2 If either SI06 or SI07 is present, then the other is required.
- 3 If either SI08 or SI09 is present, then the other is required.
- 4 If either SI10 or SI11 is present, then the other is required.
- 5 If either SI12 or SI13 is present, then the other is required.
- 6 If either SI14 or SI15 is present, then the other is required.
- 7 If either SI16 or SI17 is present, then the other is required.
- **8** If either SI18 or SI19 is present, then the other is required.
- 9 If either SI20 or SI21 is present, then the other is required.

Semantic Notes:

Comments:

1 SI01 defines the source for each of the service characteristics qualifiers.

Notes:

1. When submitting the 811 to any federal agency, use of the SI segment is optional when HL03 is "4".

2. See TCIF section 10.4 for valid values when using data element 1000/234 pairs.

	Ref. Des.	Data Element	Name	Δtt	ributes
M	SI01	559	Agency Qualifier Code		ID 2/2
			Code identifying the agency assigning the code values		
			TI Telecommunications Industry		
M	SI02	1000	Service Characteristics Qualifier	M	AN 2/2
			Code from an industry code list qualifying the type of serv characteristics	ice	
M	SI03	234	Product/Service ID	M	AN 1/48
			Identifying number for a product or service		
	SI04	1000	Service Characteristics Qualifier	X	AN 2/2
			Code from an industry code list qualifying the type of serv characteristics	ice	
	SI05	234	Product/Service ID	X	AN 1/48
			Identifying number for a product or service		
	SI06	1000	Service Characteristics Qualifier	X	AN 2/2
			Code from an industry code list qualifying the type of serv characteristics	ice	
	SI07	234	Product/Service ID	X	AN 1/48

		Identifying number for a product or service		
SI08	1000	Service Characteristics Qualifier	X	AN 2/2
		Code from an industry code list qualifying the type of service characteristics	ce	
SI09	234	Product/Service ID	X	AN 1/48
		Identifying number for a product or service		
SI10	1000	Service Characteristics Qualifier	X	AN 2/2
		Code from an industry code list qualifying the type of servic characteristics	e	
SI11	234	Product/Service ID	X	AN 1/48
		Identifying number for a product or service		
SI12	1000	Service Characteristics Qualifier	X	AN 2/2
		Code from an industry code list qualifying the type of servic characteristics	e	
SI13	234	Product/Service ID	X	AN 1/48
		Identifying number for a product or service		
SI14	1000	Service Characteristics Qualifier	X	AN 2/2
		Code from an industry code list qualifying the type of servic characteristics	e	
SI15	234	Product/Service ID	X	AN 1/48
		Identifying number for a product or service		
SI16	1000	Service Characteristics Qualifier	X	AN 2/2
		Code from an industry code list qualifying the type of servic characteristics	e	
SI17	234	Product/Service ID	X	AN 1/48
		Identifying number for a product or service		
SI18	1000	Service Characteristics Qualifier	X	AN 2/2
		Code from an industry code list qualifying the type of servic characteristics	e	
SI19	234	Product/Service ID	X	AN 1/48
		Identifying number for a product or service		
SI20	1000	Service Characteristics Qualifier	X	AN 2/2
		Code from an industry code list qualifying the type of servic characteristics	e	
SI21	234	Product/Service ID	X	AN 1/48
		Identifying number for a product or service		

Segment: PID Product/Item Description

Position: 230

Loop: IT1 Optional

Level: Detail
Usage: Optional
Max Use: 200

Purpose: To describe a product or process in coded or free-form format

Syntax Notes: 1 If PID04 is present, then PID03 is required.

- 2 At least one of PID04 or PID05 is required.
- 3 If PID07 is present, then PID03 is required.4 If PID08 is present, then PID04 is required.
- 5 If PID09 is present, then PID05 is required.

Semantic Notes: 1 Use PID03 to indicate the organization that publishes the code list being referred

- 2 PID04 should be used for industry-specific product description codes.
- 3 PID08 describes the physical characteristics of the product identified in PID04. A "Y" indicates that the specified attribute applies to this item; an "N" indicates it does not apply. Any other value is indeterminate.
- 4 PID09 is used to identify the language being used in PID05.
- **Comments:** 1 If PID01 equals "F", then PID05 is used. If PID01 equals "S", then PID04 is used. If PID01 equals "X", then both PID04 and PID05 are used.
 - 2 Use PID06 when necessary to refer to the product surface or layer being described in the segment.
 - 3 PID07 specifies the individual code list of the agency specified in PID03.

Notes: When submitting the 811 to any federal agency, use of the PID segment is optional when HL03 is "4".

			Data	Element Summary		
	Ref.	Data				
	Des.	Element	<u>Name</u>		Att	<u>ributes</u>
M	PID01	349	Item Descri	ption Type	\mathbf{M}	ID 1/1
			Code indica	ting the format of a description		
			Refer to 004	010 Data Element Dictionary for acceptable	code	values.
	PID03	559	Agency Qua	alifier Code	X	ID 2/2
			Code identif	ying the agency assigning the code values		
			AS	Assigned by Seller		
	PID04	751	Product De	scription Code	X	AN 1/12
			A code from product char	an industry code list which provides specific acteristic	data	about a
	PID05	352	Description		\mathbf{X}	AN 1/80
			A free-form content	description to clarify the related data element	ts and	l their

Segment: INC Installment Information

Position: 240

Loop: IT1 Optional

Level: Detail Usage: Optional

Max Use: 1

Purpose: To specify installment billing arrangement

Syntax Notes:

Semantic Notes: 1 INC02 is the installment period (e.g., months).

2 INC03 is the total number of installments.

3 INC04 is the number of the current installment.

4 INC05 is the installment balance after the current installment is applied.

Comments:

Notes: When submitting the 811 to any federal agency, use of the INC segment is

optional when HL03 is "4".

Ref.	Data				
Des.	Element	<u>Name</u>	Att	<u>ributes</u>	
INC01	336	Terms Type Code	M	ID 2/2	
		Code identifying type of payment terms			
		04 Deferred or Installment			
INC02	C001	Composite Unit of Measure	M		
		To identify a composite unit of measure (See Figures Apprexamples of use)	endi	x for	
C00101	355	Unit or Basis for Measurement Code	M	ID 2/2	
		Code specifying the units in which a value is being express in which a measurement has been taken	sed,	or manner	
		MO Months			
INC03	380	Quantity	M	R 1/15	
		Numeric value of quantity			
		Indicates the total number of installments.			
INC04	380	Quantity	M	R 1/15	
		Numeric value of quantity			
		Indicates the number of current installments.			
			_		
INC05	782	Monetary Amount	O	R 1/18	
INC05	782	Monetary Amount Monetary amount	О	R 1/18	
	Des. INC01 INC02 C00101	Des. INC01 Element 336 INC02 C001 C00101 355 INC03 380	Des. Element Name INC01 336 Terms Type Code Code identifying type of payment terms 04	Des. Element Name Att	

Segment: TXI Tax Information

Position: 250

Loop: IT1 Optional

Level: Detail
Usage: Optional
Max Use: >1

Purpose: To specify tax information

Syntax Notes: 1 At least one of TXI02 TXI03 or TXI06 is required.

2 If either TXI04 or TXI05 is present, then the other is required.

3 If TXI08 is present, then TXI03 is required.

Semantic Notes: 1 TXI02 is the monetary amount of the tax.

2 TXI03 is the tax percent expressed as a decimal.

3 TXI07 is a code indicating the relationship of the price or amount to the

associated segment.

Comments:

Notes: When submitting the 811 to any federal agency, use of the TXI segment is

optional when HL03 is "4".

Data Element Summary

	Kei.	Data		
	Des.	Element	<u>Name</u>	<u>Attributes</u>
M	TXI01	963	Tax Type Code	M ID 2/2

Code specifying the type of tax

Use any code. The listed codes are preferred.

CA City Tax

FD Federal Tax

FI Federal Income Tax Withholding

FT Federal Excise Tax

FR Franchise Tax

GR Gross Receipts Tax

LS State and Local Sales Tax

MP Municipal Tax

OT Occupation Tax

PS Service Tax

SA State or Provincial Fuel Tax

SC School Tax

SE Excise Tax

TD Handicap Deaf Tax

UL Business Tax

ZE 911 Tax

Refer to 004010 Data Element Dictionary for acceptable code values.

TXI02 782 Monetary Amount

X R 1/18

Monetary amount

Proposed TCIF change to summing rules - This amount will be the roll

		up of subordinate	TXI segment billed amounts.		
TXI03	954	Percent	<u> </u>	X	R 1/10
		Percentage expres	sed as a decimal		
		Tax rate for this j			
TXI04	955	Tax Jurisdiction		X	ID 2/2
			he source of the data used in tax jurisdic	tion	
			Data Element Dictionary for acceptable of		
TXI05	956	Tax Jurisdiction	•	X	AN 1/10
	200		he taxing jurisdiction		111 (1/10
TXI06	441	Tax Exempt Cod		X	ID 1/1
111100	•••	-	exemption status from sales and use tax		12 1/1
		1	Yes (Tax Exempt)		
		2	No (Not Tax Exempt)		
		5	Exempt (Not For Resale)		
		8	Exempt (Sale to U.S. Government)		
		9	Exempt (Per State Law)		
		С	Not Taxable		
TXI07	662	Relationship Cod	le	o	ID 1/1
		Code indicating th	e relationship between entities		
		A	Add		
		D	Delete		
		O	Information Only		
			Charges which relate to but may not b	e inc	cluded in or
			added to the unit price of the SLN. (i.		-
	0.50		WATS calculation based upon usage	_	
TXI08	828	Dollar Basis For		O	R 1/9
		Dollar basis to be or tax	used in the percent calculation of the all	owai	nce, charge
TXI09	325	Tax Identification	n Number	Ω	AN 1/20
1 /103	323		to a purchaser (buyer, orderer) by a taxis		
		•); often called a tax exemption number (
		number			
TXI10	350	Assigned Identifi	cation	O	AN 1/20
		Alphanumeric cha set	racters assigned for differentiation with	n a t	ransaction

Segment: REF Reference Identification

Position: 260

Loop: IT1 Optional

Level: Detail Usage: Optional

Max Use: 8

Purpose: To specify identifying information

Syntax Notes: 1 At least one of REF02 or REF03 is required.

If either C04003 or C04004 is present, then the other is required.
If either C04005 or C04006 is present, then the other is required.

Semantic Notes: 1 REF04 contains data relating to the value cited in REF02.

Comments:

Notes: When submitting the 811 to any federal agency, use of the REF segment is

optional when HL03 is "4".

	Ref.	Data					
	Des.	Element	<u>Name</u>	Att	<u>ributes</u>		
\mathbf{M}	REF01	128	Reference Identification Qualifier	\mathbf{M}	ID 2/3		
			Code qualifying the Reference Identification				
			Refer to code list provided in the REF segment in Table	2 pos	sition 50.		
	REF02	127	Reference Identification	X	AN 1/30		
			Reference information as defined for a particular Transaction S specified by the Reference Identification Qualifier				
	REF03	352	Description	X	AN 1/80		
			A free-form description to clarify the related data element content	ated data elements and their			

Segment: DTM Date/Time Reference

Position: 270

Loop: IT1 Optional

Level: Detail
Usage: Optional
Max Use: 10

Purpose: To specify pertinent dates and times

Syntax Notes: 1 At least one of DTM02 DTM03 or DTM05 is required.

2 If DTM04 is present, then DTM03 is required.

3 If either DTM05 or DTM06 is present, then the other is required.

Semantic Notes:

Comments:

Notes: When submitting the 811 to any federal agency, use of the DTM segment is

optional when HL03 is "4".

Data Element Summary

			De	ita Element Summar y
	Ref.	Data		
	Des.	Element	<u>Name</u>	<u>Attributes</u>
M	DTM01	374	Date/Tin	ne Qualifier M ID 3/3
			Code spe	cifying type of date or time, or both date and time
			001	Cancel After
			003	Invoice
			007	Effective
			009	Process
			035	Delivered
			050	Received
			092	Contract Effective
			093	Contract Expiration
			102	Issue
			150	Service Period Start
			151	Service Period End
			152	Effective Date of Change
				Date on which the change went into effect
			153	Service Interruption
			154	Adjustment Period Start
			155	Adjustment Period End
			201	Acceptance
	DTM02	373	Date	X DT 8/8

Date expressed as CCYYMMDD

Segment: MSG Message Text

Position: 280

Loop: IT1 Optional

Level: Detail
Usage: Optional
Max Use: >1

Purpose: To provide a free-form format that allows the transmission of text information

Syntax Notes: 1 If MSG03 is present, then MSG02 is required.

Semantic Notes: 1 MSG03 is the number of lines to advance before printing.

Comments: 1 MSG02 is not related to the specific characteristics of a printer, but identifies

top of page, advance a line, etc.

2 If MSG02 is "AA - Advance the specified number of lines before print" then

MSG03 is required.

Notes: When submitting the 811 to any federal agency, use of the MSG segment is

optional when HL03 is "4".

Data Element Summary

Ref. Data

Des. Element Name

MSG01 933 Free-Form Message Text

MAN 1/264

Free-form message text

Segment: QTY Quantity

Position: 290

Loop: QTY Optional

Level: Detail Usage: Optional

Max Use: 1

Purpose: To specify quantity information

Syntax Notes: 1 At least one of QTY02 or QTY04 is required.

2 Only one of QTY02 or QTY04 may be present.

Semantic Notes: 1 QTY04 is used when the quantity is non-numeric.

Comments:

Notes: When submitting the 811 to any federal agency, use of the QTY segment is

optional when HL03 is "4".

	Ref.	Data	•			
	<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>		
M	QTY01	673	Quantity Qualifier	M ID 2/2		
			Code specifying the type of quantity			
			Refer to code list provided in the QTY segment in Table 2	2 position 90.		
Must Use	QTY02	380	Quantity	X R 1/15		
			Numeric value of quantity			
	QTY03	C001	Composite Unit of Measure	O		
			To identify a composite unit of measure (See Figures Appendix for examples of use)			
M	C00101	355	Unit or Basis for Measurement Code	M ID 2/2		
			Code specifying the units in which a value is being expressed, or manne in which a measurement has been taken			
			Refer to code list provided in the QTY segment in Table 2 position 90.			

Segment: SI Service Characteristic Identification

Position: 300

Loop: QTY Optional

Level: Detail Usage: Optional

Max Use: 1

Purpose:

To specify service characteristic data

Syntax Notes: 1 If either SI04 or SI05 is present, then the other is required.

- 2 If either SI06 or SI07 is present, then the other is required.
- 3 If either SI08 or SI09 is present, then the other is required.
- 4 If either SI10 or SI11 is present, then the other is required.
- 5 If either SI12 or SI13 is present, then the other is required.
- 6 If either SI14 or SI15 is present, then the other is required.
- 7 If either SI16 or SI17 is present, then the other is required.
- **8** If either SI18 or SI19 is present, then the other is required.
- 9 If either SI20 or SI21 is present, then the other is required.

Semantic Notes:

Comments:

1 SI01 defines the source for each of the service characteristics qualifiers.

Notes:

1. See TCIF section 10.4 for valid values when using data element 1000/234 pairs.

2. When submitting the 811 to any federal agency, use of the SI segment is optional when HL03 is "4".

	Ref.	Data			
	Des.	Element	<u>Name</u>	Att	<u>ributes</u>
M	SI01	559	Agency Qualifier Code	\mathbf{M}	ID 2/2
			Code identifying the agency assigning the code values		
			TI Telecommunications Industry		
M	SI02	1000	Service Characteristics Qualifier	M	AN 2/2
			Code from an industry code list qualifying the type of servicharacteristics	ice	
M	SI03	234	Product/Service ID	M	AN 1/48
			Identifying number for a product or service		
	SI04	1000	Service Characteristics Qualifier	X	AN 2/2
			Code from an industry code list qualifying the type of servicharacteristics	ice	
	SI05	234	Product/Service ID	X	AN 1/48
			Identifying number for a product or service		
	SI06	1000	Service Characteristics Qualifier	X	AN 2/2
			Code from an industry code list qualifying the type of servicharacteristics	ice	
	SI07	234	Product/Service ID	X	AN 1/48

		Identifying number for a product or service		
SI08	1000	Service Characteristics Qualifier	X	AN 2/2
		Code from an industry code list qualifying the type of service characteristics	ce	
SI09	234	Product/Service ID	X	AN 1/48
		Identifying number for a product or service		
SI10	1000	Service Characteristics Qualifier	X	AN 2/2
		Code from an industry code list qualifying the type of servic characteristics	e	
SI11	234	Product/Service ID	X	AN 1/48
		Identifying number for a product or service		
SI12	1000	Service Characteristics Qualifier	X	AN 2/2
		Code from an industry code list qualifying the type of servic characteristics	e	
SI13	234	Product/Service ID	X	AN 1/48
		Identifying number for a product or service		
SI14	1000	Service Characteristics Qualifier	X	AN 2/2
		Code from an industry code list qualifying the type of servic characteristics	e	
SI15	234	Product/Service ID	X	AN 1/48
		Identifying number for a product or service		
SI16	1000	Service Characteristics Qualifier	X	AN 2/2
		Code from an industry code list qualifying the type of servic characteristics	e	
SI17	234	Product/Service ID	X	AN 1/48
		Identifying number for a product or service		
SI18	1000	Service Characteristics Qualifier	X	AN 2/2
		Code from an industry code list qualifying the type of servic characteristics	e	
SI19	234	Product/Service ID	X	AN 1/48
		Identifying number for a product or service		
SI20	1000	Service Characteristics Qualifier	X	AN 2/2
		Code from an industry code list qualifying the type of servic characteristics	e	
SI21	234	Product/Service ID	X	AN 1/48
		Identifying number for a product or service		

Segment: ITA Allowance, Charge or Service

Position: 310

Loop: ITA Optional

Level: Detail Usage: Optional

Max Use: 1

Purpose: To specify allowances, charges, or services

Syntax Notes: 1 If ITA02 is present, then at least one of ITA03 ITA13 or ITA14 is required.

2 If ITA08 is present, then ITA09 is required.

3 If either ITA10 or ITA11 is present, then the other is required.

4 If ITA15 is present, then ITA02 is required.
5 If ITA17 is present, then ITA12 is required.

Semantic Notes: 1 ITA09 is the allowance or charge percent.

2 ITA10 is the quantity basis when the allowance or charge quantity is different from the purchase order or invoice quantity.

3 ITA12 is the quantity of free goods.

Comments: 1 If ITA01 equals "A" - allowance or "C" - charge, then at least one of ITA06, ITA07, or ITA08 must be present.

2 ITA02 identifies the source of the code value in ITA03 or ITA15.

3 If ITA07 is present with either ITA06 or ITA08, then ITA07 takes precedence.

4 ITA13 is used to clarify the allowance, charge, or service.

5 ITA15 specifies the individual code list of the agency specified in ITA02.

6 ITA16 describes the relationship of ITA06, ITA07 or ITA09 to an associated segment.

Notes: When submitting the 811 to any federal agency, use of the ITA loop is optional when HL03 is "4".

	Ref.	Data		3		
	Des.	Element	Name		Att	ributes
M	ITA01	248	Allowance or Cha	rge Indicator		ID 1/1
			Code which indica	tes an allowance or charge for the servi	ce sp	ecified
			A	Allowance		
			C	Charge		
			N	No Allowance or Charge		
	ITA02	559	Agency Qualifier	Code	X	ID 2/2
			Code identifying th	ne agency assigning the code values		
			TI	Telecommunications Industry		
	ITA03	560	Special Services C	Code	X	ID 2/10
			Code identifying th	ne special service		
			See TCIF Section	10.4 for valid values.		
M	ITA04	331	Allowance or Cha	arge Method of Handling Code	M	ID 2/2
			Code indicating me	ethod of handling for an allowance or cl	harge	,
			04	Credit Customer Account		

		06	Charge to be Paid by Customer		
		ZZ	Mutually Defined		
ITA05	341	Allowance or C	harge Number	0	AN 1/16
		The number assi deal or charge	gned by a vendor referencing an allowan	ce, pı	romotion,
ITA06	359	Allowance or C	Charge Rate	0	R 1/15
		Allowance or Cl	narge Rate per Unit		
ITA07	360	Allowance or C	charge Total Amount	0	N2 1/15
		Total dollar amo	ount for the allowance or charge		
ITA08	378	Allowance/Cha	rge Percent Qualifier	0	ID 1/1
		Code indicating	on what basis allowance or charge percen	nt is c	alculated
		9	Late Payment Charge Base Amount		
			Amount outstanding after the past du subject to a late payment charge	e dat	e, and
ITA09	332	Percent		X	R 1/6
		Percent expresse	ed as a percent		
ITA10	380	Quantity		X	R 1/15
		Numeric value o	of quantity		
ITA11	355	Unit or Basis fo	or Measurement Code	X	ID 2/2
			the units in which a value is being expre- urement has been taken	ssed,	or manner
		Refer to code lis	t provided in the ITA segment in Table 2	2 post	ition 180.
ITA13	352	Description		X	AN 1/80
		A free-form descontent	cription to clarify the related data elemen	ts and	l their
ITA14	150	Special Charge	or Allowance Code	X	ID 3/3
		Code identifying	g type of special charge or allowance		
		See TCIF Section	on 10.4 for valid values.		
ITA16	662	Relationship Co	ode	O	ID 1/1
		~			
		Code indicating	the relationship between entities		

Segment: DTM Date/Time Reference

Position: 320

Loop: ITA Optional

Level: Detail Usage: Optional

Max Use: 1
Purpose: To specify pertinent dates and times

Syntax Notes: 1 At least one of DTM02 DTM03 or DTM05 is required.

2 If DTM04 is present, then DTM03 is required.

3 If either DTM05 or DTM06 is present, then the other is required.

Semantic Notes:

Comments:

Notes: When submitting the 811 to any federal agency, use of the DTM segment is

optional when HL03 is "4".

Data Element Summary

			Data Eleme	ent Summary		
	Ref.	Data				
	Des.	Element	<u>Name</u>		Att	<u>ributes</u>
M	DTM01	374	Date/Time Qualifi	ier	M	ID 3/3
			Code specifying ty	pe of date or time, or both date and time	;	
			001	Cancel After		
			003	Invoice		
			007	Effective		
			009	Process		
			035	Delivered		
			092	Contract Effective		
			093	Contract Expiration		
			102	Issue		
			150	Service Period Start		
			151	Service Period End		
			152	Effective Date of Change		
				Date on which the change went into ef	ffect	
			153	Service Interruption		
			154	Adjustment Period Start		
			155	Adjustment Period End		
	DTM02	373	Date		X	DT 8/8

Date expressed as CCYYMMDD

Segment: TXI Tax Information

Position: 330

Loop: ITA Optional

Level: Detail
Usage: Optional
Max Use: >1

Purpose: To specify tax information

Syntax Notes: 1 At least one of TXI02 TXI03 or TXI06 is required.

2 If either TXI04 or TXI05 is present, then the other is required.

3 If TXI08 is present, then TXI03 is required.

Semantic Notes: 1 TXI02 is the monetary amount of the tax.

2 TXI03 is the tax percent expressed as a decimal.

3 TXI07 is a code indicating the relationship of the price or amount to the

associated segment.

Comments:

Notes: When submitting the 811 to any federal agency, use of the TXI segment is

optional when HL03 is "4".

Data Element Summary

	Kei.	Data		
	Des.	Element	<u>Name</u>	Attributes
\mathbf{M}	TXI01	963	Tax Type Code	M ID 2/2

Code specifying the type of tax

Use any code. The listed codes are preferred.

CA City Tax

FD Federal Tax

FI Federal Income Tax Withholding

FT Federal Excise Tax

FR Franchise Tax

GR Gross Receipts Tax

LS State and Local Sales Tax

MP Municipal Tax

OT Occupation Tax

PS Service Tax

SA State or Provincial Fuel Tax

SC School Tax

SE Excise Tax

TD Handicap Deaf Tax

UL Business Tax

ZE 911 Tax

Refer to 004010 Data Element Dictionary for acceptable code values.

TXI02 782 Monetary Amount X R 1/18

Monetary amount

TXI03 954 Percent X R 1/10

Percentage expressed as a decimal Tax rate for this jurisdiction. TXI04 955 X ID 2/2 Tax Jurisdiction Code Qualifier Code identifying the source of the data used in tax jurisdiction code Refer to 004010 Data Element Dictionary for acceptable code values. **TXI05** 956 **Tax Jurisdiction Code** X AN 1/10 Code identifying the taxing jurisdiction TXI06 441 Tax Exempt Code X ID 1/1 Code identifying exemption status from sales and use tax Yes (Tax Exempt) 2 No (Not Tax Exempt) TXI07 662 O ID 1/1 **Relationship Code** Code indicating the relationship between entities Α Add D Delete O **Information Only** Charges which relate to but may not be included in or added to the unit price of the SLN. (i.e., compute WATS calculation based upon usage amounts) TXI08 828 **Dollar Basis For Percent** O R 1/9 Dollar basis to be used in the percent calculation of the allowance, charge or tax 325 TXI09 Tax Identification Number O AN 1/20 Number assigned to a purchaser (buyer, orderer) by a taxing jurisdiction (state, county, etc.); often called a tax exemption number or certificate number TXI10 350 **Assigned Identification** O AN 1/20 Alphanumeric characters assigned for differentiation within a transaction set

Segment: NM1 Individual or Organizational Name

Position: 340

Loop: NM1 Optional

Level: Detail Usage: Optional

Max Use: 1

Purpose: To supply the full name of an individual or organizational entity
Syntax Notes: 1 If either NM108 or NM109 is present, then the other is required.

2 If NM111 is present, then NM110 is required.

Semantic Notes: 1 NM102 qualifies NM103.

Comments: 1 NM110 and NM111 further define the type of entity in NM101.

Notes: When submitting the 811 to any federal agency, use of the NM1 segment is

optional when HL03 is "4".

Data Element Summary							
	Ref.	Data					
	Des.	Element	<u>Name</u>		Attributes		
M	NM101	98	Entity Identifier (Code	M ID 2/3		
			Code identifying a an individual	n organizational entity, a physical locati	ion, property or		
			AG	Agent/Agency			
			AK	Party to Whom Acknowledgment Sho	ould Be Sent		
			AO	Account Of			
			BS	Bill and Ship To			
			C3	Circuit Location Identifier			
				Identifies the address information as t assigned to a circuit location address	hat which is		
			CA	Carrier			
			CT	Country of Origin			
			EN	End User			
			GP	Gateway Provider			
				Identifies a gateway access provider			
			IA	Installed At			
			P9	Primary Interexchange Carrier (PIC)			
				Identifies the carrier who will handle interexchange calls	the		
			PE	Payee			
			PM	Party to receive paper Memo of Invoice	ce		
			PR	Payer			
			RI	Remit To			
			RL	Reporting Location			
			SE	Selling Party			
			SJ	Service Provider			

Identifies name and address information as pertaining to a service provider for which billing is being rendered

M	NIN#102	1065	E 44 E . O . I	to a service provider for which offining		C
M	NM102	1065	Entity Type Qual		M	ID 1/1
			Code qualifying th	• •		
				' in federal government invoices.	1	1
	NN #402	1025		ata Element Dictionary for acceptable		
	NM103	1035	Name Last or Org	_	O	AN 1/35
				ne or organizational name	_	
	NM104	1036	Name First		O	AN 1/25
			Individual first nar	ne		
	NM105	1037	Name Middle		O	AN 1/25
			Individual middle	name or initial		
	NM106	1038	Name Prefix		0	AN 1/10
			Prefix to individua	l name		
	NM107	1039	Name Suffix		0	AN 1/10
			Suffix to individua	ıl name		
	NM108	66	Identification Cod	de Qualifier	X	ID 1/2
			Code designating t Identification Code	the system/method of code structure use (67)	ed for	r
			1	D-U-N-S Number, Dun & Bradstreet		
			9	D-U-N-S+4, D-U-N-S Number with Suffix	Four	Character
			10	Department of Defense Activity Add (DODAAC)	ress (Code
			33	Commercial and Government Entity	(CAC	GE)
			40	Electronic Mail User Code		
				Identifies the Electronic Mail User lo maintained between trading partners	cally	defined and
			41	Telecommunications Carrier Identific	ation	Code
				Identifies the Interexchange carrier for being billed	or the	charges
			42	Telecommunications Pseudo Carrier Code	Ident	ification
				A code similar to the standard Carrie Code which is used to identify the loc service providers		
			91	Assigned by Seller or Seller's Agent		
			92	Assigned by Buyer or Buyer's Agent		
			ZY	Temporary Identification Number		
				A temporary ID to be used until a per processed	man	ent ID is
	NM109	67	Identification Cod		X	AN 2/80

Code identifying a party or other code

If N103 = "41" - Use Bellcore CIC list. If N103 = "42" - Use Pseudo -CIC list provided in TCIF section 10.4.

Segment: N2 Additional Name Information

Position: 350

Loop: NM1 Optional

Level: Detail
Usage: Optional

Max Use: 2

Purpose: To specify additional names or those longer than 35 characters in length

Syntax Notes: Semantic Notes:

Comments:

Notes: When submitting the 811 to any federal agency, use of the N2 segment is

optional when HL03 is "4".

	Ref.	Data		
	Des.	Element	<u>Name</u>	Attributes
M	N201	93	Name	M AN 1/60
			Free-form name	
	N202	93	Name	O AN 1/60
			Free-form name	

Segment: N3 Address Information

Position: 360

Loop: NM1 Optional

Level: Detail Usage: Optional

Max Use: 2

Purpose: To specify the location of the named party

Syntax Notes: Semantic Notes: Comments:

Notes: When submitting the 811 to any federal agency, use of the N3 segment is

optional when HL03 is "4".

	Ref.	Data		
	Des.	Element	<u>Name</u>	<u>Attributes</u>
M	N301	166	Address Information	M AN 1/55
			Address information	
	N302	166	Address Information	O AN 1/55
			Address information	

Segment: N4 Geographic Location

Position: 370

Loop: NM1 Optional

Level: Detail Usage: Optional

Max Use: 1

Purpose: To specify the geographic place of the named partySyntax Notes: 1 If N406 is present, then N405 is required.

Semantic Notes:

Comments: 1 A combination of either N401 through N404, or N405 and N406 may be

adequate to specify a location.

2 N402 is required only if city name (N401) is in the U.S. or Canada.

Notes: When submitting the 811 to any federal agency, use of the N4 segment is

optional when HL03 is "4".

Data Element Summary

Ref.	Data				
Des.	Element	<u>Name</u>		Att	<u>ributes</u>
N401	19	City Name		O	AN 2/30
		Free-form text for	city name		
N402	156	State or Province	Code	0	ID 2/2
		Code (Standard Sta	ate/Province) as defined by appropriate	gove	rnment
N403	116	Postal Code		O	ID 3/15
		Code defining inte blanks (zip code fo	rnational postal zone code excluding por United States)	unctu	ation and
N404	26	Country Code		0	ID 2/3
		Code identifying the	ne country		
N405	309	Location Qualifie	r	X	ID 1/2
		Code identifying ty	ype of location		
		AC	City and State		
		CC	Country		
		CI	City		
		SP	State/Province		
N406	310	Location Identifie	er	0	AN 1/30

Code which identifies a specific location

Segment: **PER** Administrative Communications Contact

Position: 380

Loop: NM1 Optional

Level: Detail
Usage: Optional
Max Use: 3

Purpose: To identify a person or office to whom administrative communications should be

directed

Syntax Notes: 1 If either PER03 or PER04 is present, then the other is required.

If either PER05 or PER06 is present, then the other is required.
 If either PER07 or PER08 is present, then the other is required.

Semantic Notes:

Comments:

Notes: When submitting the 811 to any federal agency, use of the PER segment is

optional when HL03 is "4".

Data Element Summary

			Data Elem	ent Summary	
	Ref.	Data			
	Des.	Element	Name		Attributes
M	PER01	366	Contact Function	Code	M ID 2/2
			Code identifying th	ne major duty or responsibility of the pe	rson or group
			named		0 1
			AD	Accounting Department	
			BD	Buyer Name or Department	
			BI	Bill Inquiry Contact	
				Service Provider contact for making in information on the invoice	nquires about
			CC	Computer Systems Contact	
			DA	Directory Advertising Contact	
				Service Provider contact for questions changes to, directory advertising	about, and
			IC	Information Contact	
			MA	Maintenance Contact	
				Service Provider contact for requestin maintenance, or reporting problems	g service
			OC	Order Contact	
			OD	Order Department	
			PM	Product Manager	
			QA	Quality Assurance Contact	
			SR	Sales Representative or Department	
			TR	Technical Marketing Representative	
	PER02	93	Name		O AN 1/60

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Free-form name

PER03	365	Communication	Number Qualifier	X	ID 2/2
		Code identifying t	the type of communication number		
		AU	Defense Switched Network		
			Department of Defense telecommunic and successor of the Automatic Voice (AUTOVON)		-
			This code is to be used only within the government.	e fea	leral
		EM	Electronic Mail		
		FX	Facsimile		
		TE	Telephone		
PER04	364	Communication 1	Number	X	AN 1/80
		Complete communapplicable	nications number including country or a	rea c	ode when
		1 1			
PER05	365		Number Qualifier	X	ID 2/2
PER05	365	Communication	Number Qualifier the type of communication number	X	ID 2/2
PER05	365	Communication		X	ID 2/2
PER05	365	Code identifying t	the type of communication number	ation	ns system
PER05	365	Code identifying t	the type of communication number Defense Switched Network Department of Defense telecommunication and successor of the Automatic Voice	ation	ns system work
PER05	365	Code identifying t	the type of communication number Defense Switched Network Department of Defense telecommunication and successor of the Automatic Voice (AUTOVON)	ation	ns system work
PER05	365	Code identifying t	the type of communication number Defense Switched Network Department of Defense telecommunicand successor of the Automatic Voice (AUTOVON) This code is to be used only within the	ation	ns system work
PER05	365	Communication : Code identifying t AU	the type of communication number Defense Switched Network Department of Defense telecommunicand successor of the Automatic Voice (AUTOVON) This code is to be used only within the government.	ation	ns system work
PER05	365	Communication Code identifying to AU EM	the type of communication number Defense Switched Network Department of Defense telecommunicand successor of the Automatic Voice (AUTOVON) This code is to be used only within the government. Electronic Mail	ation	ns system work
PER05	365	Communication and Code identifying to AU EM FX	the type of communication number Defense Switched Network Department of Defense telecommunic and successor of the Automatic Voice (AUTOVON) This code is to be used only within the government. Electronic Mail Facsimile Telephone	ation	ns system work

applicable

Segment: SLN Subline Item Detail

Position: 390

Loop: SLN Optional

Level: Detail
Usage: Optional

Max Use: 1

Purpose: To specify product subline detail item data

Syntax Notes: 1 If either SLN04 or SLN05 is present, then the other is required.

- 2 If SLN07 is present, then SLN06 is required.
- 3 If SLN08 is present, then SLN06 is required.
- 4 If either SLN09 or SLN10 is present, then the other is required.
- 5 If either SLN11 or SLN12 is present, then the other is required.
- **6** If either SLN13 or SLN14 is present, then the other is required.
- 7 If either SLN15 or SLN16 is present, then the other is required.
- **8** If either SLN17 or SLN18 is present, then the other is required.
- 9 If either SLN19 or SLN20 is present, then the other is required.
- 10 If either SLN21 or SLN22 is present, then the other is required.
- 11 If either SLN23 or SLN24 is present, then the other is required.
- 12 If either SLN25 or SLN26 is present, then the other is required.
- 13 If either SLN27 or SLN28 is present, then the other is required.

Semantic Notes:

- 1 SLN01 is the identifying number for the subline item.
- 2 SLN02 is the identifying number for the subline level. The subline level is analogous to the level code used in a bill of materials.
- 3 SLN03 is the configuration code indicating the relationship of the subline item to the baseline item.
- 4 SLN08 is a code indicating the relationship of the price or amount to the associated segment.

Comments:

- See the Data Element Dictionary for a complete list of IDs.
- 2 SLN01 is related to (but not necessarily equivalent to) the baseline item number. Example: 1.1 or 1A might be used as a subline number to relate to baseline number 1.
- 3 SLN09 through SLN28 provide for ten different product/service IDs for each item. For example: Case, Color, Drawing No., U.P.C. No., ISBN No., Model No., or SKU.

Notes:

- 1. The SLN loop may only appear at HL8 (Charge Detail Level).
- 2. When submitting the 811 to any federal agency, use of the SLN loop is required when HL03 is "8".

	Ket.	Data		
	Des.	Element	<u>Name</u>	Attributes
M	SLN01	350	Assigned Identification	M AN 1/20
			Alphanumeric characters assigned for differentiation with set	in a transaction
	SLN02	350	Assigned Identification	O AN 1/20

			Alphanumeric cha	aracters assigned for differentiation with	nin a tı	ransaction
			set	aracters assigned for anteremation with		unsuction
M	SLN03	662	Relationship Cod	le	M	ID 1/1
			Code indicating th	ne relationship between entities		
			I	Included		
Must Use	SLN04	380	Quantity		X	R 1/15
			Numeric value of	quantity		
	SLN05	C001	Composite Unit	of Measure	X	
			To identify a com examples of use)	posite unit of measure (See Figures Ap	pendi	x for
M	C00101	355	Unit or Basis for	Measurement Code	M	ID 2/2
				he units in which a value is being expresement has been taken	ssed, o	or manner
				= ''M4'' Rules of extended pricing do n		•
			-	hange - When used, M4 equals the roll	l up fr	om lower
				summing rules in TCIF Section 7.3).		
			03	Seconds		
			12 1 V	Packet Overtor Wile		
			1X AD	Quarter Mile		
			AD	Bytes A computer string of data that consis	ts of a	quantity
				of bits, treated as a unit; a bit is a bin		
			AH	Additional Minutes		
				The minutes, usually associated with pricing of telecommunication service above the minutes allowed for that pa	s, whi	ch are
			AL	Access Lines		
				Number of lines subject to Carrier Ad Charges	ccess l	Line
			C0	Calls		
				Number of calls handled		
			DA	Days		
			DC	Disk (Disc)		
			DH	Miles		
			DK	Kilometers		
			DQ	Data Records		
				Number of Data Records handled		
			DY	Directory Books		
			T.A	Number of directory books delivered	to cus	stomer
			EA	Each		
			EB	Electronic Mail Boxes		

Number of Electronic Mail Boxes established for an

	account
EV	Envelope
G7	Microfiche Sheet
	A film that contains photographed documents greatly reduced in size
H1	Half Pages - Electronic
	Number of electronic half pages of data delivered
HR	Hours
HT	Half Hour
KB	Kilocharacters
	Kilocharacters of data transmitted
KF	Kilopackets
	Kilopackets of data transmitted
KJ	Kilosegments
	Kilosegments of data transmitted
M0	Magnetic Tapes
	Number of Magnetic Tapes delivered with data
M4	Monetary Value
MJ	Minutes
MO	Months
MR	Meter
NF	Messages
	Number of Messages transmitted, or delivered
NH	Message Hours
	Number of hours used, calculated at some rate basis such as Minutes/message carried
NJ	Number of Screens
	Number of data screens handled, or transmitted
OT	Overtime Hours
P0	Pages - Electronic
	Number of electronic pages of data delivered
P1	Percent
QA	Pages - Facsimile
	Number of FAX pages transmitted
QB	Pages - Hardcopy
	Number of printed pages delivered
QH	Quarter Hours
	Number of 15 minute increments of usage handled
RS	Resets
	Number of times a transmission is reset due to line drop, interrupt, etc.

		S6	Sessions	
		20	Number of interactive sessions handled	
		S7	Storage Units	
			Number of storage increments used	
		SG	Segment	
		ТО	Telecommunications Lines in Service	
			Snapshot sample of lines in service	
		UB	Telecommunications Lines in Service - Average	
			Average number of lines in service specific to equal access requirements	
		UC	Telecommunications Ports	
			Number of network access ports	
		UD	Tenth Minutes	
			Number of 6 second increments of usage	
		UE	Tenth Hours	
			Number of 6 minute increments of usage	
		UF	Usage per Telecommunications Line - Average	
		UN	Unit	
		ZZ	Mutually Defined	
SLN06	212	Unit Price	X R 1/17	
		Dries nor unit of n		
		Price per unit or p	product, service, commodity, etc.	
SLN07	639	Basis of Unit Price	·	
SLN07	639	Basis of Unit Price	·	
SLN07	639	Basis of Unit Price	ce Code O ID 2/2	
SLN07	639	Basis of Unit Price Code identifying t	ce Code O ID 2/2 the type of unit price for an item	у
SLN07	639	Basis of Unit Price Code identifying t	ce Code O ID 2/2 the type of unit price for an item Before Discount Full amount for the service prior to application of an	у
SLN07	639	Basis of Unit Price Code identifying t BD	ce Code O ID 2/2 the type of unit price for an item Before Discount Full amount for the service prior to application of an appropriate discounts	у
SLN07	639	Basis of Unit Price Code identifying to BD CP	the type of unit price for an item Before Discount Full amount for the service prior to application of an appropriate discounts Current Price (Subject to Change)	у
SLN07	639	Basis of Unit Price Code identifying to BD CP CT	the type of unit price for an item Before Discount Full amount for the service prior to application of an appropriate discounts Current Price (Subject to Change) Contract	у
SLN07	639	Basis of Unit Price Code identifying to BD CP CT DP	the type of unit price for an item Before Discount Full amount for the service prior to application of an appropriate discounts Current Price (Subject to Change) Contract Daily Price per Unit Annual Price Per Unit Price changed Once per Year	у
SLN07	639	Basis of Unit Price Code identifying to BD CP CT DP	the type of unit price for an item Before Discount Full amount for the service prior to application of an appropriate discounts Current Price (Subject to Change) Contract Daily Price per Unit Annual Price Per Unit Price changed Once per Year Price per Each	y
SLN07	639	Basis of Unit Price Code identifying to BD CP CT DP PB	the type of unit price for an item Before Discount Full amount for the service prior to application of an appropriate discounts Current Price (Subject to Change) Contract Daily Price per Unit Annual Price Per Unit Price changed Once per Year Price per Each Monthly Price Per Unit	у
SLN07	639	Basis of Unit Price Code identifying to BD CP CT DP PB PE PM TE	the type of unit price for an item Before Discount Full amount for the service prior to application of an appropriate discounts Current Price (Subject to Change) Contract Daily Price per Unit Annual Price Per Unit Price changed Once per Year Price per Each Monthly Price Per Unit Contract Price per Each	У
SLN07	639	Basis of Unit Price Code identifying to BD CP CT DP PB PE PM TE TP	the type of unit price for an item Before Discount Full amount for the service prior to application of an appropriate discounts Current Price (Subject to Change) Contract Daily Price per Unit Annual Price Per Unit Price changed Once per Year Price per Each Monthly Price Per Unit Contract Price per Each Price per Thousand	У
SLN07	639	Basis of Unit Price Code identifying to BD CP CT DP PB PE PM TE	the type of unit price for an item Before Discount Full amount for the service prior to application of an appropriate discounts Current Price (Subject to Change) Contract Daily Price per Unit Annual Price Per Unit Price changed Once per Year Price per Each Monthly Price Per Unit Contract Price per Each Price per Thousand Weekly Price per Unit	у
		Basis of Unit Price Code identifying to BD CP CT DP PB PE PM TE TP WI	the type of unit price for an item Before Discount Full amount for the service prior to application of an appropriate discounts Current Price (Subject to Change) Contract Daily Price per Unit Annual Price Per Unit Price changed Once per Year Price per Each Monthly Price Per Unit Contract Price per Each Price per Thousand Weekly Price per Unit Price charged once per week	У
SLN07	639	Basis of Unit Price Code identifying to BD CP CT DP PB PE PM TE TP WI Relationship Code	the type of unit price for an item Before Discount Full amount for the service prior to application of an appropriate discounts Current Price (Subject to Change) Contract Daily Price per Unit Annual Price Per Unit Price changed Once per Year Price per Each Monthly Price Per Unit Contract Price per Each Price per Thousand Weekly Price per Unit Price charged once per week Re O ID 1/1	У
		Basis of Unit Price Code identifying to BD CP CT DP PB PE PM TE TP WI Relationship Code Code indicating the	the type of unit price for an item Before Discount Full amount for the service prior to application of an appropriate discounts Current Price (Subject to Change) Contract Daily Price per Unit Annual Price Per Unit Price changed Once per Year Price per Each Monthly Price Per Unit Contract Price per Each Price per Thousand Weekly Price per Unit Price charged once per week Ite O ID 1/1 The relationship between entities	У
		Basis of Unit Price Code identifying to BD CP CT DP PB PE PM TE TP WI Relationship Code	the type of unit price for an item Before Discount Full amount for the service prior to application of an appropriate discounts Current Price (Subject to Change) Contract Daily Price per Unit Annual Price Per Unit Price changed Once per Year Price per Each Monthly Price Per Unit Contract Price per Each Price per Thousand Weekly Price per Unit Price charged once per week Re O ID 1/1	У

I IncludedO Information Only

Charges which relate to but may not be included in or added to the unit price of the SLN. (i.e., compute WATS calculation based upon usage amounts)

SLN09 235 Product/Service ID Qualifier

X ID 2/2

Code identifying the type/source of the descriptive number used in Product/Service ID (234)

SV Service Rendered

VP Vendor's (Seller's) Part Number

SLN10 234 Product/Service ID

X AN 1/48

Identifying number for a product or service

If SLN09 = SV, then see TCIF Section 10.4 for valid values.

Segment: SI Service Characteristic Identification

Position: 400

Loop: SLN Optional

Level: Detail Usage: Optional

Max Use: 2

Purpose: To specify service characteristic data

Syntax Notes: 1 If either SI04 or SI05 is present, then the other is required.

- 2 If either SI06 or SI07 is present, then the other is required.
- 3 If either SI08 or SI09 is present, then the other is required.
- 4 If either SI10 or SI11 is present, then the other is required.
- 5 If either SI12 or SI13 is present, then the other is required.
- 6 If either SI14 or SI15 is present, then the other is required.
- 7 If either SI16 or SI17 is present, then the other is required.
- 8 If either SI18 or SI19 is present, then the other is required.
- **9** If either SI20 or SI21 is present, then the other is required.

Semantic Notes:

Comments:

1 SI01 defines the source for each of the service characteristics qualifiers.

Notes:

1. When submitting the 811 to any federal agency, use of the SI segment is optional when HL03 is "8".

2. See TCIF section 10.4 for valid values when using data element 1000/234 pairs.

	Ref.	Data			
	Des.	Element	<u>Name</u>	Att	<u>ributes</u>
M	SI01	559	Agency Qualifier Code	M	ID 2/2
			Code identifying the agency assigning the code values		
			TI Telecommunications Industry		
M	SI02	1000	Service Characteristics Qualifier	M	AN 2/2
			Code from an industry code list qualifying the type of serv characteristics	ice	
M	SI03	234	Product/Service ID	M	AN 1/48
			Identifying number for a product or service		
	SI04	1000	Service Characteristics Qualifier	X	AN 2/2
			Code from an industry code list qualifying the type of serv characteristics	ice	
	SI05	234	Product/Service ID	X	AN 1/48
			Identifying number for a product or service		
	SI06	1000	Service Characteristics Qualifier	X	AN 2/2
			Code from an industry code list qualifying the type of serv characteristics	ice	
	SI07	234	Product/Service ID	X	AN 1/48

		Identifying number for a product or service		
SI08	1000	Service Characteristics Qualifier	X	AN 2/2
		Code from an industry code list qualifying the type of servic characteristics	e	
SI09	234	Product/Service ID	X	AN 1/48
		Identifying number for a product or service		
SI10	1000	Service Characteristics Qualifier	X	AN 2/2
		Code from an industry code list qualifying the type of servic characteristics	е	
SI11	234	Product/Service ID	X	AN 1/48
		Identifying number for a product or service		
SI12	1000	Service Characteristics Qualifier	X	AN 2/2
		Code from an industry code list qualifying the type of servic characteristics	e	
SI13	234	Product/Service ID	X	AN 1/48
		Identifying number for a product or service		
SI14	1000	Service Characteristics Qualifier	X	AN 2/2
		Code from an industry code list qualifying the type of servic characteristics	е	
SI15	234	Product/Service ID	X	AN 1/48
		Identifying number for a product or service		
SI16	1000	Service Characteristics Qualifier	X	AN 2/2
		Code from an industry code list qualifying the type of servic characteristics	е	
SI17	234	Product/Service ID	X	AN 1/48
		Identifying number for a product or service		
SI18	1000	Service Characteristics Qualifier	X	AN 2/2
		Code from an industry code list qualifying the type of servic characteristics	e	
SI19	234	Product/Service ID	X	AN 1/48
		Identifying number for a product or service		
SI20	1000	Service Characteristics Qualifier	X	AN 2/2
		Code from an industry code list qualifying the type of servic characteristics	e	
SI21	234	Product/Service ID	X	AN 1/48
		Identifying number for a product or service		

PID Product/Item Description **Segment:**

Position: 410

> **SLN** Loop: **Optional**

Level: Detail Usage: **Optional** Max Use: 200

Purpose: To describe a product or process in coded or free-form format

Syntax Notes: If PID04 is present, then PID03 is required.

- 2 At least one of PID04 or PID05 is required. 3 If PID07 is present, then PID03 is required.
- 4 If PID08 is present, then PID04 is required.
- If PID09 is present, then PID05 is required.

Semantic Notes: 1 Use PID03 to indicate the organization that publishes the code list being referred

- 2 PID04 should be used for industry-specific product description codes.
- PID08 describes the physical characteristics of the product identified in PID04. A "Y" indicates that the specified attribute applies to this item; an "N" indicates it does not apply. Any other value is indeterminate.
- 4 PID09 is used to identify the language being used in PID05.
- **Comments:** If PID01 equals "F", then PID05 is used. If PID01 equals "S", then PID04 is used. If PID01 equals "X", then both PID04 and PID05 are used.
 - Use PID06 when necessary to refer to the product surface or layer being described in the segment.
 - PID07 specifies the individual code list of the agency specified in PID03.

When submitting the 811 to any federal agency, use of the PID segment is **Notes:** optional when HL03 is "8".

			Data Element Summary		
	Ref.	Data			
	Des.	Element	<u>Name</u>	Att	<u>ributes</u>
M	PID01	349	Item Description Type	\mathbf{M}	ID 1/1
			Code indicating the format of a description		
			Refer to 004010 Data Element Dictionary for acceptable of	ode	values.
	PID03	559	Agency Qualifier Code	X	ID 2/2
			Code identifying the agency assigning the code values		
			AS Assigned by Seller		
	PID04	751	Product Description Code	X	AN 1/12
			A code from an industry code list which provides specific product characteristic	data	about a
	PID05	352	Description	X	AN 1/80
			A free-form description to clarify the related data element content	s and	their

Segment: CUR Currency

Position: 420

Loop: SLN Optional

Level: Detail Usage: Optional

Max Use: 1

Purpose: To specify the currency (dollars, pounds, francs, etc.) used in a transaction

Syntax Notes:

- 1 If CUR08 is present, then CUR07 is required.
- 2 If CUR09 is present, then CUR07 is required.
- 3 If CUR10 is present, then at least one of CUR11 or CUR12 is required.
- 4 If CUR11 is present, then CUR10 is required.
- 5 If CUR12 is present, then CUR10 is required.
- **6** If CUR13 is present, then at least one of CUR14 or CUR15 is required.
- 7 If CUR14 is present, then CUR13 is required.
- **8** If CUR15 is present, then CUR13 is required.
- 9 If CUR16 is present, then at least one of CUR17 or CUR18 is required.
- 10 If CUR17 is present, then CUR16 is required.
- 11 If CUR18 is present, then CUR16 is required.
- 12 If CUR19 is present, then at least one of CUR20 or CUR21 is required.
- 13 If CUR20 is present, then CUR19 is required.
- 14 If CUR21 is present, then CUR19 is required.

Semantic Notes:

Comments:

1 See Figures Appendix for examples detailing the use of the CUR segment.

Notes:

When submitting the 811 to any federal agency, use of the CUR segment is optional when HL03 is "8".

	Ref.	Data				
	Des.	Element	<u>Name</u>	Attributes		
M	CUR01	98	Entity Identifier Code	M ID 2/3		
			Code identifying an organizational entity, a physical locat an individual	ion, property or		
			PR Payer			
M	CUR02	100	Currency Code	M ID 3/3		
			Code (Standard ISO) for country in whose currency the charges are specified			
			For additional values, request ISO document 4217. CAD Canadian Dollars USD United States Dollars			
	CUR03	280	Exchange Rate	O R 4/10		
			Value to be used as a multiplier conversion factor to conv value from one currency to another	ert monetary		
	CUR04	98	Entity Identifier Code	O ID 2/3		
			Code identifying an organizational entity, a physical locat	ion, property or		

		an individ	dual			
		PE		Payee		
		PM		Party to receive paper Memo of Invoic	e	
		RI		Remit To		
		SE		Selling Party		
		SJ		Service Provider		
				Identifies name and address information to a service provider for which billing		
CUR05	100	Currency	y Code		o	ID 3/3
		Code (Sta		O) for country in whose currency the cha	arge	s are
		CAD USD		an Dollars States Dollars		
CUR06	669	Currency	y Market	/Exchange Code	o	ID 3/3
		Code ider based	ntifying th	ne market upon which the currency exch	ange	e rate is
		IMF		International Monetary Fund		
		LNF		London (England) Exchange - First Cle	osin	g
		LNS		London (England) Exchange - Second	Clo	sing
		NYC		New York Foreign Exchange		
		PHI		Philadelphia Foreign Exchange		
		ZUR		Zurich (Switzerland) Exchange		
CUR07	374	Date/Tin	ne Qualif	ier	\mathbf{X}	ID 3/3
		Code spec	cifying ty	pe of date or time, or both date and time		
		001		Cancel After		
		003		Invoice		
		007		Effective		
		009		Process		
		035		Delivered		
		092		Contract Effective		
		093		Contract Expiration		
		102		Issue		
		150		Service Period Start		
		151		Service Period End		
		152		Effective Date of Change		
				Date on which the change went into ef	fect	
		153		Service Interruption		
		154		Adjustment Period Start		
		155		Adjustment Period End		
CUR08	373	Date			O	DT 8/8

004010D811T0 107 September 25, 2000

Date expressed as CCYYMMDD

CUR09 337 Time O TM 4/8

Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where $H = hours\ (00-23)$, $M = minutes\ (00-59)$, $S = integer\ seconds\ (00-59)$ and $DD = decimal\ seconds$; decimal seconds are expressed as follows: $D = tenths\ (0-9)$ and $DD = hundredths\ (00-99)$

Segment: INC Installment Information

Position: 430

Loop: SLN Optional

Level: Detail Usage: Optional

Max Use: 1
Purpose: To specify installment billing arrangement

Syntax Notes:

Syntax Notes:

Semantic Notes:

1 INC02 is the installment period (e.g., months).

2 INC03 is the total number of installments.

3 INC04 is the number of the current installment.

4 INC05 is the installment balance after the current installment is applied.

Comments:

Notes: When submitting the 811 to any federal agency, use of the INC segment is

optional when HL03 is "8".

	Ref.	Data			
	Des.	Element	<u>Name</u>	Att	<u>ributes</u>
M	INC01	336	Terms Type Code	M	ID 2/2
			Code identifying type of payment terms		
			04 Deferred or Installment		
\mathbf{M}	INC02	C001	Composite Unit of Measure	\mathbf{M}	
			To identify a composite unit of measure (See Figure examples of use)	s Appendi	x for
\mathbf{M}	C00101	355	Unit or Basis for Measurement Code	\mathbf{M}	ID 2/2
			Code specifying the units in which a value is being e in which a measurement has been taken	expressed,	or manner
			MO Months		
M	INC03	380	Quantity	M	R 1/15
			Numeric value of quantity		
			Indicates the total number of installments.		
M	INC04	380	Quantity	M	R 1/15
			Numeric value of quantity		
			Indicates number of current installments.		
	INC05	782	Monetary Amount	O	R 1/18
			Monetary amount		
			Balance remaining after this installment is billed.		

Segment: ITA Allowance, Charge or Service

Position: 440

Loop: SLN Optional

Level: Detail
Usage: Optional
Max Use: 10

Purpose: To specify allowances, charges, or services

Syntax Notes: 1 If ITA02 is present, then at least one of ITA03 ITA13 or ITA14 is required.

2 If ITA08 is present, then ITA09 is required.

3 If either ITA10 or ITA11 is present, then the other is required.

4 If ITA15 is present, then ITA02 is required.
5 If ITA17 is present, then ITA12 is required.

Semantic Notes: 1 ITA09 is the allowance or charge percent.

2 ITA10 is the quantity basis when the allowance or charge quantity is different from the purchase order or invoice quantity.

3 ITA12 is the quantity of free goods.

Comments: 1 If ITA01 equals "A" - allowance or "C" - charge, then at least one of ITA06, ITA07, or ITA08 must be present.

2 ITA02 identifies the source of the code value in ITA03 or ITA15.

3 If ITA07 is present with either ITA06 or ITA08, then ITA07 takes precedence.

4 ITA13 is used to clarify the allowance, charge, or service.

5 ITA15 specifies the individual code list of the agency specified in ITA02.

6 ITA16 describes the relationship of ITA06, ITA07 or ITA09 to an associated segment.

Notes: When submitting the 811 to any federal agency, use of the ITA segment is

optional when HL03 is "8".

	Ref.	Data		·		
	Des.	Element	<u>Name</u>		Att	<u>ributes</u>
M	ITA01	248	Allowance or Ch	arge Indicator	M	ID 1/1
			Code which indica	ates an allowance or charge for the servi	ce sp	ecified
			A	Allowance		
			C	Charge		
			N	No Allowance or Charge		
	ITA02	559	Agency Qualifier Code		X	ID 2/2
			Code identifying t	the agency assigning the code values		
			TI	Telecommunications Industry		
	ITA03	560	Special Services	Code	X	ID 2/10
			Code identifying t	the special service		
			See TCIF Section	10.4 for valid values.		
M	ITA04	331	Allowance or Ch	arge Method of Handling Code	M	ID 2/2
			Code indicating m	nethod of handling for an allowance or c	harge	;
			04	Credit Customer Account		

		06	Charge to be Paid by Customer					
		ZZ	Mutually Defined					
ITA05	341	Allowance or Ch	arge Number	O	AN 1/16			
		The number assignment deal or charge	ned by a vendor referencing an allowand	ce, pi	omotion,			
ITA06	359	Allowance or Ch	Allowance or Charge Rate					
		Allowance or Cha	arge Rate per Unit					
ITA07	360	Allowance or Ch	arge Total Amount	0	N2 1/15			
		Total dollar amou	nt for the allowance or charge					
ITA08	378	Allowance/Charg	ge Percent Qualifier	0	ID 1/1			
		Code indicating of	n what basis allowance or charge percen	t is c	alculated			
		9	Late Payment Charge Base Amount					
			Amount outstanding after the past du subject to a late payment charge	e dat	e, and			
ITA09	332	Percent		X	R 1/6			
		Percent expressed	as a percent					
ITA10	380	Quantity		X	R 1/15			
		Numeric value of	quantity					
ITA11	355	Unit or Basis for	Measurement Code	X	ID 2/2			
			he units in which a value is being expresement has been taken	sed,	or manner			
		Refer to code list	provided in the ITA segment in Table 2	pos	ition 180.			
ITA13	352	Description		X	AN 1/80			
		A free-form descr content	iption to clarify the related data element	s and	l their			
ITA14	150	Special Charge o	r Allowance Code	X	ID 3/3			
		Code identifying t	type of special charge or allowance					
		See TCIF Section	10.4 for valid values.					
ITA16	662	Relationship Cod	le	O	ID 1/1			
		Code indicating th	ne relationship between entities					
		A	Add					
		D	Delete					
		I	Included					
		O	Information Only					
			Charges which relate to but may not be added to the unit price of the SLN. (i. WATS calculation based upon usage	e., co	ompute			

Segment: TXI Tax Information

Position: 450

Loop: SLN Optional

Level: Detail
Usage: Optional
Max Use: >1

Purpose: To specify tax information

Syntax Notes: 1 At least one of TXI02 TXI03 or TXI06 is required.

2 If either TXI04 or TXI05 is present, then the other is required.

3 If TXI08 is present, then TXI03 is required.

Semantic Notes: 1 TXI02 is the monetary amount of the tax.

2 TXI03 is the tax percent expressed as a decimal.

3 TXI07 is a code indicating the relationship of the price or amount to the

associated segment.

Comments:

Notes: When submitting the 811 to any federal agency, use of the TXI segment is

optional when HL03 is "8".

Data Element Summary

	Kei.	Data		
	Des.	Element	<u>Name</u>	Attributes
\mathbf{M}	TXI01	963	Tax Type Code	M ID 2/2

Code specifying the type of tax

Use any code. The listed codes are preferred.

CA City Tax

FD Federal Tax

FI Federal Income Tax Withholding

FT Federal Excise Tax

FR Franchise Tax

GR Gross Receipts Tax

LS State and Local Sales Tax

MP Municipal Tax

OT Occupation Tax

PS Service Tax

SA State or Provincial Fuel Tax

SC School Tax

SE Excise Tax

TD Handicap Deaf Tax

UL Business Tax

ZE 911 Tax

Refer to 004010 Data Element Dictionary for acceptable code values.

TXI02 782 Monetary Amount X R 1/18

Monetary amount

TXI03 954 Percent X R 1/10

Percentage expressed as a decimal Tax rate for this jurisdiction. TXI04 955 X ID 2/2 Tax Jurisdiction Code Qualifier Code identifying the source of the data used in tax jurisdiction code Refer to 004010 Data Element Dictionary for acceptable code values. **TXI05** 956 X AN 1/10 **Tax Jurisdiction Code** Code identifying the taxing jurisdiction TXI06 441 X ID 1/1 Tax Exempt Code Code identifying exemption status from sales and use tax Yes (Tax Exempt) 2 No (Not Tax Exempt) TXI07 662 **Relationship Code** O ID 1/1 Code indicating the relationship between entities Α Add D Delete Ι Included O **Information Only** Charges which relate to but may not be included in or added to the unit price of the SLN. (i.e., compute WATS calculation based upon usage amounts) TXI08 828 **Dollar Basis For Percent** Dollar basis to be used in the percent calculation of the allowance, charge or tax TXI09 325 **Tax Identification Number** O AN 1/20 Number assigned to a purchaser (buyer, orderer) by a taxing jurisdiction (state, county, etc.); often called a tax exemption number or certificate number TXI10 350 **Assigned Identification** O AN 1/20 Alphanumeric characters assigned for differentiation within a transaction set

Segment: REF Reference Identification

Position: 460

Loop: SLN Optional

Level: Detail
Usage: Optional
Max Use: >1

Purpose: To specify identifying information

Syntax Notes: 1 At least one of REF02 or REF03 is required.

If either C04003 or C04004 is present, then the other is required.
If either C04005 or C04006 is present, then the other is required.

Semantic Notes: 1 REF04 contains data relating to the value cited in REF02.

Comments:

Notes: When submitting the 811 to any federal agency, use of the REF segment is

optional when HL03 is "8".

	Ref.	Data			
	Des.	Element	<u>Name</u>	Att	<u>ributes</u>
M	REF01	128	Reference Identification Qualifier	\mathbf{M}	ID 2/3
			Code qualifying the Reference Identification		
			Refer to code list provided in the REF segment in Table	le 2 position 50.	
	REF02	127	Reference Identification	X	AN 1/30
			Reference information as defined for a particular Transact specified by the Reference Identification Qualifier	ion S	et or as
	REF03	352	Description	X	AN 1/80
			A free-form description to clarify the related data element content	s and	their

Segment: **PER** Administrative Communications Contact

Position: 470

Loop: SLN Optional

Level: Detail
Usage: Optional

Max Use: 3

Purpose: To identify a person or office to whom administrative communications should be

directed

Syntax Notes: 1 If either PER03 or PER04 is present, then the other is required.

2 If either PER05 or PER06 is present, then the other is required.

3 If either PER07 or PER08 is present, then the other is required.

Semantic Notes:

Comments:

Notes: When submitting the 811 to any federal agency, use of the PER segment is

optional when HL03 is "8".

Data Element Summary

			Data Elem	ent Summary
	Ref.	Data		
	Des.	Element	<u>Name</u>	Attributes
M	PER01	366	Contact Function	Code M ID 2/2
			Code identifying the named	ne major duty or responsibility of the person or group
			AD	Accounting Department
			BD	Buyer Name or Department
			BI	Bill Inquiry Contact
				Service Provider contact for making inquires about information on the invoice
			CC	Computer Systems Contact
			DA	Directory Advertising Contact
				Service Provider contact for questions about, and changes to, directory advertising
			IC	Information Contact
			MA	Maintenance Contact
				Service Provider contact for requesting service maintenance, or reporting problems
			OC	Order Contact
			OD	Order Department
			PM	Product Manager
			QA	Quality Assurance Contact
			SR	Sales Representative or Department
			TR	Technical Marketing Representative
	PER02	93	Name	O AN 1/60

Free-form name

PER03	365	Communication	Number Qualifier	X	ID 2/2
		Code identifying	the type of communication number		
		AU	Defense Switched Network		
			Department of Defense telecommuni and successor of the Automatic Voic (AUTOVON)		-
			This code is to be used only within the	he fe	deral
			government.		
		EM	Electronic Mail		
		FX	Facsimile		
		TE	Telephone		
PER04	364	Communication	Number	X	AN 1/80
		Complete commu applicable	nications number including country or a	area c	ode when
PER05	365	Communication	Number Qualifier	X	ID 2/2
		Code identifying	the type of communication number		
		AU	Defense Switched Network		
			Department of Defense telecommuni and successor of the Automatic Voic (AUTOVON)		•
			This code is to be used only within to	he fe	deral
			government.		
		EM	Electronic Mail		
		FX	Facsimile		
		TE	Telephone		
PER06	364	Communication	Number	X	AN 1/80
		Complete commu applicable	nications number including country or a	area c	ode when

Segment: DTM Date/Time Reference

Position: 480

Loop: SLN Optional

Level: Detail
Usage: Optional
Max Use: 10

Purpose: To specify pertinent dates and times

Syntax Notes: 1 At least one of DTM02 DTM03 or DTM05 is required.

2 If DTM04 is present, then DTM03 is required.

3 If either DTM05 or DTM06 is present, then the other is required.

Semantic Notes:

Comments:

Notes: When submitting the 811 to any federal agency, use of the DTM segment is

optional when HL03 is "8".

Data Element Summary

			•	Data Element Summary		
	Ref.	Data				
	Des.	Element	<u>Name</u>		Att	<u>ributes</u>
M	DTM01	374	Date/Ti	ime Qualifier	M	ID 3/3
			Code sp	ecifying type of date or time, or both date and time	,	
			001	Cancel After		
			003	Invoice		
			007	Effective		
			009	Process		
			035	Delivered		
			050	Received		
			092	Contract Effective		
			093	Contract Expiration		
			102	Issue		
			150	Service Period Start		
			151	Service Period End		
			152	Effective Date of Change		
				Date on which the change went into ef	ffect	
			153	Service Interruption		
			154	Adjustment Period Start		
			155	Adjustment Period End		
			201	Acceptance		
	DTM02	373	Date		\mathbf{X}	DT 8/8

Date expressed as CCYYMMDD

Segment: AMT Monetary Amount

Position: 490

Loop: SLN Optional

Level: Detail
Usage: Optional
Max Use: 15

Purpose: To indicate the total monetary amount

Syntax Notes: Semantic Notes: Comments:

Notes: When submitting the 811 to any federal agency, use of the AMT segment is

optional when HL03 is "8".

	Data Element Summary								
	Ref.	Data							
	Des.	Element	<u>Name</u>		<u>Attributes</u>				
M	AMT01	522	Amount Qualifier		M ID 1/3				
			Code to qualify am						
			1	Line Item Total					
			5	Total Invoice Amount					
			6	Amount Subject to Total Monetary D	iscount				
			8	Total Monetary Discount Amount					
			AD	Adjusted Total					
			AP	Amount Prior to Fractionalization					
				Full charge amount for the service pe prior to pro-rated fractionalization du billing	_				
			AQ	Average Price Per Call					
				The total amount of money associated of calls divided by the total number of category calculated to provide call su	f calls within the				
			AS	Average Price Per Minute					
				The total amount of money associated of calls divided by the total number of the category calculated to provide cal	f minutes within				
			AX	Previous Price					
			BT	Bank Reject Total					
			CH	Change Amount					
			CS	Commission Sales					
				Those sales used to calculate commis	sion payments				
			CT	Contract					
				Indicates the value stated in the contr	act				
			KO	Committed Amount					

			LI	Line Item Unit Price
			N	Net
				Indicates the value remaining after all deductions and adjustments have been made
			NA	Net Adjustment
			NO	Non Commission Sales
				Those sales not included for commission payment calculation
			NS	Net Savings Amount
				Amount of dollar saving resulting from the use of service, such as Optional Calling Plans
			PB	Billed Amount
				Total amount due on the period bill
			SC	Total Service Charge
			TP	Total payment amount
			TS	Total Sales
				The total of commission and non commission sales needed to calculate intersell amount
			TT	Total Transaction Amount
M	AMT02	782	Monetary Amount Monetary amount	M R 1/18

Segment: MSG Message Text

Position: 500

Loop: SLN Optional

Level: Detail
Usage: Optional
Max Use: >1

Purpose: To provide a free-form format that allows the transmission of text information

Syntax Notes: 1 If MSG03 is present, then MSG02 is required.

Semantic Notes: 1 MSG03 is the number of lines to advance before printing.

Comments: 1 MSG02 is not related to the specific characteristics of a printer, but identifies

top of page, advance a line, etc.

2 If MSG02 is "AA - Advance the specified number of lines before print" then

MSG03 is required.

Notes: When submitting the 811 to any federal agency, use of the MSG segment is

optional when HL03 is "8".

Data Element Summary

Ref. Data

Des. Element Name

M MSG01 933 Free-Form Message Text

M AN 1/264

Free-form message text

Segment: QTY Quantity

Position: 510

Loop: QTY Optional

Level: Detail Usage: Optional

Max Use: 1

Purpose: To specify quantity information

Syntax Notes: 1 At least one of QTY02 or QTY04 is required.

2 Only one of QTY02 or QTY04 may be present.

Semantic Notes: 1 QTY04 is used when the quantity is non-numeric.

Comments:

Notes: When submitting the 811 to any federal agency, use of the QTY loop is optional

when HL03 is ''8''.

	Ref. Des.	Data Element	Name	Attributes		
M	QTY01	673	Quantity Qualifier	M ID 2/2		
			Code specifying the type of quantity			
			Refer to code list provided in the QTY segment in Table 2	Position 90.		
Must Use	QTY02	380	Quantity	X R 1/15		
			Numeric value of quantity			
	QTY03	C001	Composite Unit of Measure	O		
			To identify a composite unit of measure (See Figures App examples of use)	endix for		
M	C00101	355	Unit or Basis for Measurement Code	M ID 2/2		
			Code specifying the units in which a value is being express in which a measurement has been taken	sed, or manner		
			Refer to code list provided in the QTY segment in Table 2 position 90.			

Segment: SI Service Characteristic Identification

Position: 520

Loop: QTY Optional

Level: Detail
Usage: Optional

Max Use: 1

Purpose: To specify service characteristic data

Syntax Notes: 1 If either SI04 or SI05 is present, then the other is required.

- 2 If either SI06 or SI07 is present, then the other is required.
- 3 If either SI08 or SI09 is present, then the other is required.
- 4 If either SI10 or SI11 is present, then the other is required.
- 5 If either SI12 or SI13 is present, then the other is required.
- **6** If either SI14 or SI15 is present, then the other is required.
- 7 If either SI16 or SI17 is present, then the other is required.
- 8 If either SI18 or SI19 is present, then the other is required.
- **9** If either SI20 or SI21 is present, then the other is required.

Semantic Notes:

Comments:

1 SI01 defines the source for each of the service characteristics qualifiers.

Notes:

1. When submitting the 811 to any federal agency, use of the SI segment is optional when HL03 is "8".

2. See TCIF section 10.4 for valid values when using data element 1000/234 pairs.

	Ref.	Data	·		
	Des.	Element	<u>Name</u>	Att	<u>ributes</u>
M	SI01	559	Agency Qualifier Code	M	ID 2/2
			Code identifying the agency assigning the code values		
			TI Telecommunications Industry		
M	SI02	1000	Service Characteristics Qualifier	M	AN 2/2
			Code from an industry code list qualifying the type of serv characteristics	ice	
M	SI03	234	Product/Service ID	M	AN 1/48
			Identifying number for a product or service		
	SI04	1000	Service Characteristics Qualifier	X	AN 2/2
			Code from an industry code list qualifying the type of serv characteristics	ice	
	SI05	234	Product/Service ID	X	AN 1/48
			Identifying number for a product or service		
	SI06	1000	Service Characteristics Qualifier	X	AN 2/2
			Code from an industry code list qualifying the type of serv characteristics	ice	
	SI07	234	Product/Service ID	X	AN 1/48

		Identifying number for a product or service		
SI08	1000	Service Characteristics Qualifier	X	AN 2/2
		Code from an industry code list qualifying the type of servic characteristics	e	
SI09	234	Product/Service ID	X	AN 1/48
		Identifying number for a product or service		
SI10	1000	Service Characteristics Qualifier	X	AN 2/2
		Code from an industry code list qualifying the type of servic characteristics	е	
SI11	234	Product/Service ID	X	AN 1/48
		Identifying number for a product or service		
SI12	1000	Service Characteristics Qualifier	X	AN 2/2
		Code from an industry code list qualifying the type of servic characteristics	e	
SI13	234	Product/Service ID	X	AN 1/48
		Identifying number for a product or service		
SI14	1000	Service Characteristics Qualifier	X	AN 2/2
		Code from an industry code list qualifying the type of servic characteristics	е	
SI15	234	Product/Service ID	X	AN 1/48
		Identifying number for a product or service		
SI16	1000	Service Characteristics Qualifier	X	AN 2/2
		Code from an industry code list qualifying the type of servic characteristics	е	
SI17	234	Product/Service ID	X	AN 1/48
		Identifying number for a product or service		
SI18	1000	Service Characteristics Qualifier	X	AN 2/2
		Code from an industry code list qualifying the type of servic characteristics	e	
SI19	234	Product/Service ID	X	AN 1/48
		Identifying number for a product or service		
SI20	1000	Service Characteristics Qualifier	X	AN 2/2
		Code from an industry code list qualifying the type of servic characteristics	e	
SI21	234	Product/Service ID	X	AN 1/48
		Identifying number for a product or service		

NM1 Individual or Organizational Name **Segment:**

Position: 530

> Loop: NM1 Optional

Level: Detail Usage: **Optional**

Max Use:

Purpose: To supply the full name of an individual or organizational entity **Syntax Notes:** If either NM108 or NM109 is present, then the other is required.

If NM111 is present, then NM110 is required.

Semantic Notes: NM102 qualifies NM103.

Comments: NM110 and NM111 further define the type of entity in NM101.

When submitting the 811 to any federal agency, use of the NM1 segment is **Notes:**

optional when HL03 is "8".

			Data Eleme	ent Summary	
	Ref. Des.	Data Element	Name		Attributes
M	<u>Des.</u> NM101	98	Entity Identifier (Code	M ID 2/3
			•	n organizational entity, a physical locati	
			AG	Agent/Agency	
			AK	Party to Whom Acknowledgment Sho	uld Be Sent
			AO	Account Of	
			BS	Bill and Ship To	
			C3	Circuit Location Identifier	
				Identifies the address information as the assigned to a circuit location address	hat which is
			CA	Carrier	
			CT	Country of Origin	
			EN	End User	
			GP	Gateway Provider	
				Identifies a gateway access provider	
			IA	Installed At	
			P9	Primary Interexchange Carrier (PIC)	
				Identifies the carrier who will handle interexchange calls	the
			PE	Payee	
			PM	Party to receive paper Memo of Invoice	ce
			PR	Payer	
			RI	Remit To	
			RL	Reporting Location	
			SE	Selling Party	
			SJ	Service Provider	

Identifies name and address information as pertaining to a service provider for which billing is being rendered

3.5	NN 5100	10.6		to a service provider for which offinis		U	
M	NM102	1065	Entity Type Qual		M	ID 1/1	
			Code qualifying th	• •			
				' in federal government invoices.		_	
				eata Element Dictionary for acceptable			
	NM103	1035	Name Last or Or	_	O	AN 1/35	
				ne or organizational name			
	NM104	1036	Name First		0	AN 1/25	
			Individual first nar	ne			
	NM105	1037	Name Middle		0	AN 1/25	
			Individual middle	name or initial			
	NM106	1038	Name Prefix		0	AN 1/10	
			Prefix to individua	ıl name			
	NM107	1039	Name Suffix		0	AN 1/10	
			Suffix to individua	al name			
	NM108	66	Identification Co	de Qualifier	X	ID 1/2	
			Code designating t Identification Code	the system/method of code structure use (67)	ed for	r	
			1	D-U-N-S Number, Dun & Bradstreet			
			9	D-U-N-S+4, D-U-N-S Number with Suffix	Four	Character	
			10	Department of Defense Activity Add (DODAAC)	ress (Code	
			33	Commercial and Government Entity	(CAC	GE)	
			40	Electronic Mail User Code			
				Identifies the Electronic Mail User lo maintained between trading partners	cally	defined and	
			41	Telecommunications Carrier Identific	ation	Code	
				Identifies the Interexchange carrier for being billed	or the	charges	
			42	Telecommunications Pseudo Carrier Code	Ident	ification	
				A code similar to the standard Carrie Code which is used to identify the los service providers			
			91	Assigned by Seller or Seller's Agent			
			92	Assigned by Buyer or Buyer's Agent			
			ZY	Temporary Identification Number			
				A temporary ID to be used until a per processed	man	ent ID is	
	NM109	67	Identification Co		X	AN 2/80	

Code identifying a party or other code

If N103 = "41" - Use Bellcore CIC list. If N103 = "42" - Use Pseudo -CIC list provided in TCIF section 10.4.

Segment: N2 Additional Name Information

Position: 540

Loop: NM1 Optional

Level: Detail Usage: Optional

Max Use: 2

Purpose: To specify additional names or those longer than 35 characters in length

Syntax Notes: Semantic Notes:

Comments: Notes:

When submitting the 811 to any federal agency, use of the N2 segment is

optional when HL03 is "8".

	Ref.	Data		
	Des.	Element	<u>Name</u>	Attributes
M	N201	93	Name	M AN 1/60
			Free-form name	
	N202	93	Name	O AN 1/60
			Free-form name	

Segment: N3 Address Information

Position: 550

Loop: NM1 Optional

Level: Detail
Usage: Optional

Max Use: 2

Purpose: To specify the location of the named party

Syntax Notes: Semantic Notes:

Comments:

Notes: When submitting the 811 to any federal agency, use of the N3 segment is

optional when HL03 is "8".

	Ref.	Data		
	Des.	Element	<u>Name</u>	<u>Attributes</u>
M	N301	166	Address Information	M AN 1/55
			Address information	
	N302	166	Address Information	O AN 1/55
			Address information	

Segment: N4 Geographic Location

Position: 560

Loop: NM1 Optional

Level: Detail Usage: Optional

Max Use: 1

Purpose: To specify the geographic place of the named partySyntax Notes: 1 If N406 is present, then N405 is required.

Semantic Notes:

Comments: 1 A combination of either N401 through N404, or N405 and N406 may be

adequate to specify a location.

2 N402 is required only if city name (N401) is in the U.S. or Canada.

Notes: When submitting the 811 to any federal agency, use of the N4 segment is

optional when HL03 is "8".

Data Element Summary

Ref.	Data				
Des.	Element	<u>Name</u>		Att	<u>ributes</u>
N401	19	City Name		O	AN 2/30
		Free-form text for	city name		
N402	156	State or Province	Code	0	ID 2/2
		Code (Standard Sta	ate/Province) as defined by appropriate	gove	rnment
N403	116	Postal Code		O	ID 3/15
		Code defining inte blanks (zip code fo	rnational postal zone code excluding por United States)	unctu	ation and
N404	26	Country Code		0	ID 2/3
		Code identifying the	ne country		
N405	309	Location Qualifie	r	X	ID 1/2
		Code identifying ty	ype of location		
		AC	City and State		
		CC	Country		
		CI	City		
		SP	State/Province		
N406	310	Location Identifie	er	0	AN 1/30

Code which identifies a specific location

Segment: REF Reference Identification

Position: 570

Loop: NM1 Optional

Level: Detail
Usage: Optional

Max Use: 8

Purpose: To specify identifying information

Syntax Notes: 1 At least one of REF02 or REF03 is required.

If either C04003 or C04004 is present, then the other is required.
If either C04005 or C04006 is present, then the other is required.

Semantic Notes: 1 REF04 contains data relating to the value cited in REF02.

Comments:

Notes: When submitting the 811 to any federal agency, use of the REF segment is

optional when HL03 is "8".

M	Ref. <u>Des.</u> REF01	Data <u>Element</u> 128	Name Reference Identification Qualifier Code qualifying the Reference Identification		ributes ID 2/3
			Refer to code list provided in the REF segment in Table	2 pos	ition 50.
	REF02	127	Reference Identification	X	AN 1/30
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier		
	REF03	352	Description	X	AN 1/80
			A free-form description to clarify the related data element content	ıts and	their

Segment: PER Administrative Communications Contact

Position: 580

Loop: NM1 Optional

Level: Detail
Usage: Optional
Max Use: 3

Purpose: To identify a person or office to whom administrative communications should be

directed

Syntax Notes: 1 If either PER03 or PER04 is present, then the other is required.

2 If either PER05 or PER06 is present, then the other is required.

3 If either PER07 or PER08 is present, then the other is required.

Semantic Notes:

Comments:

Notes: When submitting the 811 to any federal agency, use of the PER segment is

optional when HL03 is "8".

Data Element Summary

			Data Elem	ent Summary	
	Ref.	Data			
	Des.	Element	Name		Attributes
M	PER01	366	Contact Function	Code	M ID 2/2
			Code identifying th	ne major duty or responsibility of the pe	rson or group
			named		0 1
			AD	Accounting Department	
			BD	Buyer Name or Department	
			BI	Bill Inquiry Contact	
				Service Provider contact for making in information on the invoice	nquires about
			CC	Computer Systems Contact	
			DA	Directory Advertising Contact	
				Service Provider contact for questions changes to, directory advertising	s about, and
			IC	Information Contact	
			MA	Maintenance Contact	
				Service Provider contact for requestin maintenance, or reporting problems	g service
			OC	Order Contact	
			OD	Order Department	
			PM	Product Manager	
			QA	Quality Assurance Contact	
			SR	Sales Representative or Department	
			TR	Technical Marketing Representative	
	PER02	93	Name		O AN 1/60

Free-form name

PER03	365	Communication 1	Number Qualifier	\mathbf{X}	ID 2/2		
		Code identifying t	he type of communication number				
		AU	Defense Switched Network				
			Department of Defense telecommunic and successor of the Automatic Voice (AUTOVON)		•		
			This code is to be used only within the government.	e fec	deral		
		EM	Electronic Mail				
		FX	Facsimile				
		TE	Telephone				
PER04	364	Communication 1	Number	X	AN 1/80		
		Complete communapplicable	nications number including country or a	rea c	ode when		
PER05	365	Communication 1	Number Qualifier	X	ID 2/2		
		Code identifying the type of communication number					
		AU	Defense Switched Network				
			Department of Defense telecommunic and successor of the Automatic Voice (AUTOVON)		•		
			This code is to be used only within th	e fed	deral		
			government.				
		EM	Electronic Mail				
		FX	Facsimile				
		TE	Telephone				
PER06	364	Communication 1		X	, - ,		
		Complete communapplicable	nications number including country or a	rea c	ode when		

Segment: TCD Itemized Call Detail

Position: 590

Loop: TCD Optional

Level: Detail Usage: Optional

Max Use: 1

Dof

Data

Purpose: To specify detail information for itemized calls

Syntax Notes: 1 If either TCD04 or TCD05 is present, then the other is required.

2 If either TCD07 or TCD08 is present, then the other is required.

Semantic Notes: 1 TCD12 is an undiscounted amount.

2 TCD13 is a net amount after the discount has been applied to the amount in TCD12.

3 TCD14 is an undiscounted amount.

4 TCD15 is a net amount after the discount has been applied to the amount in TCD14.

5 TCD16 is a code indicating the relationship of the price or amount to the associated segment.

Comments: 1 TCD01 is the detail information.

2 TCD02 is the date of the call.

3 TCD03 is the connect time of the call.

4 TCD04, TCD05, and TCD06 are the 'to' location of the call.

5 TCD07, TCD08, and TCD09 are the 'from' location of the call.

6 TCD10 and TCD11 are the total duration of the call. TCD10 is the time measured in minutes or minutes and tenths of minutes. TCD11 is time measured in seconds or seconds and tenths of seconds.

Notes: 1. The TCD loop may only appear at the line detail level.

2. When submitting the 811 to any federal agency, use of a minimum of TCD or USD or both is required when HL03 is "9".

Ref.	Data			
Des.	Element	<u>Name</u>	Att	<u>ributes</u>
TCD01	350	Assigned Identification	0	AN 1/20
		Alphanumeric characters assigned for differentiation within set	n a t	ransaction
TCD02	373	Date	O	DT 8/8
		Date expressed as CCYYMMDD		
TCD03	337	Time	O	TM 4/8
		Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS or HHMMSSD, or HHMMSSDD, where $H = hours (00-23)$, $M = minute (00-59)$, $S = integer seconds (00-59)$ and $DD = decimal seconds$; decimal seconds are expressed as follows: $D = tenths (0-9)$ and $DD = hundredths (00-99)$		I = minutes ls; decimal
		Connect time of call.		
TCD04	309	Location Qualifier	X	ID 1/2

Code identifying type of location

Code identifying the type of "TO" location provided in TCD05 and TCD06.

A value of "ZZ" indicates any point of origination/termination or service for a call that cannot be qualified by traditional geographic qualifiers (i.e., City or Country).

The point of origination/termination or service that this code qualifies could be the name of an aircraft, vessel, vehicle, or service where a call originated/terminated or the service was provided.

		CC	Country		
		CI	City		
		SP	State/Province		
		ZZ	Mutually Defined		
TCD05	310	Location Ide	entifier	\mathbf{X}	AN 1/30
		Code which	identifies a specific location		
TCD06	156	State or Pro	vince Code	O	ID 2/2
		Code (Standa	ard State/Province) as defined by appropr	iate gove	ernment

City and State

TCD07 309 Location Qualifier

AC

X ID 1/2

Code identifying type of location

Code identifying the type of "FROM" location provided in TCD08 and TCD09.

A value of "ZZ" indicates any point of origination/termination or service for a call that cannot be qualified by traditional geographic qualifiers (i.e., City or Country).

The point of origination/termination or service that this code qualifies could be the name of an aircraft, vessel, vehicle, or service where a call originated/terminated or the service was provided.

AC	City and State
CC	Country
CI	City
SP	State/Province
ZZ	Mutually Defined

TCD08 310 Location Identifier X AN 1/30

Code which identifies a specific location

TCD09 156 State or Province Code O ID 2/2

Code (Standard State/Province) as defined by appropriate government agency

TCD10	739	Measurement Va	llue	O	R 1/20
		The value of the n	neasurement		
		Duration of call n	neasured in minutes and tenths of min	utes.	
TCD11	739	Measurement Va	llue	0	R 1/20
		The value of the n	neasurement		
		Duration of call n	neasured in seconds and tenths of seco	nds.	
TCD12	782	Monetary Amou	nt	0	R 1/18
		Monetary amount			
		Undiscounted am	ount.		
TCD13	782	Monetary Amou	nt	0	R 1/18
		Monetary amount			
		Net amount after	a discount has been applied to the amo	ount	in TCD12.
TCD14	782	Monetary Amoun	nt	O	R 1/18
		Monetary amount			
		Undiscounted am	ount.		
TCD15	782	Monetary Amoun	nt	0	R 1/18
		Monetary amount			
		Net amount after	a discount has been applied to the amo	ount	in TCD14.
TCD16	662	Relationship Cod	le	0	ID 1/1
		Code indicating th	ne relationship between entities		
		A	Add		
		D	Delete		
		I	Included		
		O	Information Only		
			Charges which relate to but may not added to the unit price of the SLN. (i. WATS calculation based upon usage	.e., co	ompute

Segment: SI Service Characteristic Identification

Position: 600

Loop: TCD Optional

Level: Detail Usage: Optional

Max Use: 2

Purpose: To specify service characteristic data

Syntax Notes: 1 If either SI04 or SI05 is present, then the other is required.

- 2 If either SI06 or SI07 is present, then the other is required.
- 3 If either SI08 or SI09 is present, then the other is required.
- 4 If either SI10 or SI11 is present, then the other is required.
- 5 If either SI12 or SI13 is present, then the other is required.
- 6 If either SI14 or SI15 is present, then the other is required.
- 7 If either SI16 or SI17 is present, then the other is required.
- 8 If either SI18 or SI19 is present, then the other is required.
- 9 If either SI20 or SI21 is present, then the other is required.

Semantic Notes:

Comments:

1 SI01 defines the source for each of the service characteristics qualifiers.

Notes:

1. When submitting the 811 to any federal agency, use of the SI segment is optional when HL03 is "9".

2. See TCIF section 10.4 for valid values when using data element 1000/234 pairs.

	Ref.	Data			
	Des.	Element	<u>Name</u>	Att	<u>ributes</u>
M	SI01	559	Agency Qualifier Code	M	ID 2/2
			Code identifying the agency assigning the code values		
			TI Telecommunications Industry		
M	SI02	1000	Service Characteristics Qualifier	M	AN 2/2
			Code from an industry code list qualifying the type of servicharacteristics	ice	
M	SI03	234	Product/Service ID	M	AN 1/48
			Identifying number for a product or service		
	SI04	1000	Service Characteristics Qualifier	X	AN 2/2
			Code from an industry code list qualifying the type of serv characteristics	ice	
	SI05	234	Product/Service ID	X	AN 1/48
			Identifying number for a product or service		
	SI06	1000	Service Characteristics Qualifier	X	AN 2/2
			Code from an industry code list qualifying the type of servicharacteristics	ice	
	SI07	234	Product/Service ID	X	AN 1/48

		Identifying number for a product or service		
SI08	1000	Service Characteristics Qualifier	X	AN 2/2
		Code from an industry code list qualifying the type of service characteristics	ce	
SI09	234	Product/Service ID	X	AN 1/48
		Identifying number for a product or service		
SI10	1000	Service Characteristics Qualifier	X	AN 2/2
		Code from an industry code list qualifying the type of service characteristics	ce	
SI11	234	Product/Service ID	X	AN 1/48
		Identifying number for a product or service		
SI12	1000	Service Characteristics Qualifier	X	AN 2/2
		Code from an industry code list qualifying the type of service characteristics	ce	
SI13	234	Product/Service ID	X	AN 1/48
		Identifying number for a product or service		
SI14	1000	Service Characteristics Qualifier	X	AN 2/2
		Code from an industry code list qualifying the type of service characteristics	ce	
SI15	234	Product/Service ID	X	AN 1/48
		Identifying number for a product or service		
SI16	1000	Service Characteristics Qualifier	X	AN 2/2
		Code from an industry code list qualifying the type of service characteristics	ce	
SI17	234	Product/Service ID	X	AN 1/48
		Identifying number for a product or service		
SI18	1000	Service Characteristics Qualifier	X	AN 2/2
		Code from an industry code list qualifying the type of service characteristics	ce	
SI19	234	Product/Service ID	X	AN 1/48
		Identifying number for a product or service		
SI20	1000	Service Characteristics Qualifier	X	AN 2/2
		Code from an industry code list qualifying the type of service characteristics	ce	
SI21	234	Product/Service ID	X	AN 1/48
		Identifying number for a product or service		

Segment: TXI Tax Information

Position: 610

Loop: TCD Optional

Level: Detail
Usage: Optional
Max Use: >1

Purpose: To specify tax information

Syntax Notes: 1 At least one of TXI02 TXI03 or TXI06 is required.

2 If either TXI04 or TXI05 is present, then the other is required.

3 If TXI08 is present, then TXI03 is required.

Semantic Notes: 1 TXI02 is the monetary amount of the tax.

2 TXI03 is the tax percent expressed as a decimal.

3 TXI07 is a code indicating the relationship of the price or amount to the

associated segment.

Comments:

Notes: When submitting the 811 to any federal agency, use of the TXI segment is

optional when HL03 is "9".

Data Element Summary

	Kei.	Data		
	Des.	Element	<u>Name</u>	<u>Attributes</u>
M	TXI01	963	Tax Type Code	M ID 2/2

Code specifying the type of tax

Use any code. The listed codes are preferred.

CA City Tax

FD Federal Tax

FI Federal Income Tax Withholding

FT Federal Excise Tax

FR Franchise Tax

GR Gross Receipts Tax

LS State and Local Sales Tax

MP Municipal Tax

OT Occupation Tax

PS Service Tax

SA State or Provincial Fuel Tax

SC School Tax

SE Excise Tax

TD Handicap Deaf Tax

UL Business Tax

ZE 911 Tax

Refer to 004010 Data Element Dictionary for acceptable code values.

TXI02 782 Monetary Amount X R 1/18

Monetary amount

TXI03 954 Percent X R 1/10

Percentage expressed as a decimal Tax rate for this jurisdiction. TXI04 955 X ID 2/2 Tax Jurisdiction Code Qualifier Code identifying the source of the data used in tax jurisdiction code Refer to 004010 Data Element Dictionary for acceptable code values. **TXI05** 956 X AN 1/10 **Tax Jurisdiction Code** Code identifying the taxing jurisdiction TXI06 441 X ID 1/1 Tax Exempt Code Code identifying exemption status from sales and use tax Yes (Tax Exempt) 2 No (Not Tax Exempt) TXI07 662 **Relationship Code** O ID 1/1 Code indicating the relationship between entities Α Add D Delete Ι Included O **Information Only** Charges which relate to but may not be included in or added to the unit price of the SLN. (i.e., compute WATS calculation based upon usage amounts) TXI08 828 **Dollar Basis For Percent** Dollar basis to be used in the percent calculation of the allowance, charge or tax 325 TXI09 **Tax Identification Number** O AN 1/20 Number assigned to a purchaser (buyer, orderer) by a taxing jurisdiction (state, county, etc.); often called a tax exemption number or certificate number TXI10 350 **Assigned Identification** O AN 1/20 Alphanumeric characters assigned for differentiation within a transaction set

Segment: ITA Allowance, Charge or Service

Position: 615

Loop: TCD Optional

Level: Detail
Usage: Optional
Max Use: >1

Purpose: To specify allowances, charges, or services

Syntax Notes: 1 If ITA02 is present, then at least one of ITA03 ITA13 or ITA14 is required.

2 If ITA08 is present, then ITA09 is required.

3 If either ITA10 or ITA11 is present, then the other is required.

4 If ITA15 is present, then ITA02 is required.
5 If ITA17 is present, then ITA12 is required.

Semantic Notes: 1 ITA09 is the allowance or charge percent.

2 ITA10 is the quantity basis when the allowance or charge quantity is different from the purchase order or invoice quantity.

3 ITA12 is the quantity of free goods.

Comments: 1 If ITA01 equals "A" - allowance or "C" - charge, then at least one of ITA06, ITA07, or ITA08 must be present.

2 ITA02 identifies the source of the code value in ITA03 or ITA15.

3 If ITA07 is present with either ITA06 or ITA08, then ITA07 takes precedence.

4 ITA13 is used to clarify the allowance, charge, or service.

5 ITA15 specifies the individual code list of the agency specified in ITA02.

6 ITA16 describes the relationship of ITA06, ITA07 or ITA09 to an associated segment.

Notes: When submitting the 811 to any federal agency, use of the ITA segment is

optional when HL03 is "9".

	Ref.	Data		·		
	Des.	Element	<u>Name</u>		Att	ributes
M	ITA01	248	Allowance o	r Charge Indicator	M	ID 1/1
			Code which i	indicates an allowance or charge for the serv	vice sp	ecified
			A	Allowance		
			C	Charge		
			N	No Allowance or Charge		
	ITA02	559	Agency Qua	lifier Code	\mathbf{X}	ID 2/2
			Code identify	ying the agency assigning the code values		
			TI	Telecommunications Industry		
	ITA03	560	Special Serv	ices Code	\mathbf{X}	ID 2/10
			Code identify	ving the special service		
			See TCIF Se	ction 10.4 for valid values.		
M	ITA04	331	Allowance o	r Charge Method of Handling Code	\mathbf{M}	ID 2/2
			Code indicati	ing method of handling for an allowance or	charge	e
			04	Credit Customer Account		

		06	Charge to be Paid by Customer		
		ZZ	Mutually Defined		
ITA05	341	Allowance or Ch	aarge Number	O	AN 1/16
		The number assig deal or charge	ned by a vendor referencing an allowan	ce, pı	romotion,
ITA07	360	Allowance or Ch	narge Total Amount	0	N2 1/15
		Total dollar amou	int for the allowance or charge		
ITA08	378	Allowance/Char	ge Percent Qualifier	O	ID 1/1
		Code indicating of	on what basis allowance or charge percent	nt is c	calculated
		9	Late Payment Charge Base Amount		
			Amount outstanding after the past du subject to a late payment charge	e dat	e, and
ITA09	332	Percent		X	R 1/6
		Percent expressed	l as a percent		
ITA10	380	Quantity		X	R 1/15
		Numeric value of	quantity		
ITA11	355	Unit or Basis for	Measurement Code	X	ID 2/2
			he units in which a value is being expre rement has been taken	ssed,	or manner
		Refer to code list	provided in the ITA segment in Table 2	2 pos	ition 180.
ITA13	352	Description		X	AN 1/80
		A free-form descricontent	ription to clarify the related data elemen	ts and	I their
ITA14	150	Special Charge of	or Allowance Code	X	ID 3/3
		Code identifying	type of special charge or allowance		
		See TCIF Section	ı 10.4 for valid values.		
ITA16	662	Relationship Cod	de	0	ID 1/1
		Code indicating the	he relationship between entities		
		A	Add		
		D	Delete		
		I	Included		
		O	Information Only		
			Charges which relate to but may not		
			added to the unit price of the SLN. (i WATS calculation based upon usage		
			a the same and the same are all the world.		/

Segment: QTY Quantity

Position: 617

Loop: QTY Optional

Level: Detail
Usage: Optional

Max Use: 1

Purpose: To specify quantity information

Syntax Notes: 1 At least one of QTY02 or QTY04 is required.

2 Only one of QTY02 or QTY04 may be present.

Semantic Notes: 1 QTY04 is used when the quantity is non-numeric.

Comments:

Notes: When submitting the 811 to any federal agency, use of the QTY loop is optional

when HL03 is ''9''.

	Ref.	Data			
	Des.	Element	<u>Name</u>	Attributes	
M	QTY01	673	Quantity Qualifier	M ID 2/2	
			Code specifying the type of quantity		
			Refer to code list provided in the QTY segment in Table 2	2 position 90.	
Must Use	QTY02	380	Quantity	X R 1/15	
			Numeric value of quantity		
	QTY03	C001	Composite Unit of Measure	O	
			To identify a composite unit of measure (See Figures Apprexamples of use)	pendix for	
M	C00101	355	Unit or Basis for Measurement Code	M ID 2/2	
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken		
			Refer to code list provided in the QTY segment in Table 2	2 position 90.	

Segment: SI Service Characteristic Identification

Position: 618

Loop: QTY Optional

Level: Detail
Usage: Optional

Max Use: 1

Purpose: To specify service characteristic data

Syntax Notes: 1 If either SI04 or SI05 is present, then the other is required.

- 2 If either SI06 or SI07 is present, then the other is required.
- 3 If either SI08 or SI09 is present, then the other is required.
- 4 If either SI10 or SI11 is present, then the other is required.
- 5 If either SI12 or SI13 is present, then the other is required.
- 6 If either SI14 or SI15 is present, then the other is required.
- 7 If either SI16 or SI17 is present, then the other is required.
- 8 If either SI18 or SI19 is present, then the other is required.
- **9** If either SI20 or SI21 is present, then the other is required.

Semantic Notes:

Comments:

1 SI01 defines the source for each of the service characteristics qualifiers.

Notes:

1. When submitting the 811 to any federal agency, use of the SI segment is optional when HL03 is "9".

2. See TCIF section 10.4 for valid values when using data element 1000/234 pairs.

	Ref.	Data			
	Des.	Element	<u>Name</u>	Att	<u>ributes</u>
M	SI01	559	Agency Qualifier Code	M	ID 2/2
			Code identifying the agency assigning the code values		
			TI Telecommunications Industry		
M	SI02	1000	Service Characteristics Qualifier	M	AN 2/2
			Code from an industry code list qualifying the type of servicharacteristics	ice	
M	SI03	234	Product/Service ID	M	AN 1/48
			Identifying number for a product or service		
	SI04	1000	Service Characteristics Qualifier	X	AN 2/2
			Code from an industry code list qualifying the type of serv characteristics	ice	
	SI05	234	Product/Service ID	X	AN 1/48
			Identifying number for a product or service		
	SI06	1000	Service Characteristics Qualifier	X	AN 2/2
			Code from an industry code list qualifying the type of servicharacteristics	ice	
	SI07	234	Product/Service ID	X	AN 1/48

		Identifying number for a product or service		
SI08	1000	Service Characteristics Qualifier	X	AN 2/2
		Code from an industry code list qualifying the type of service characteristics	ce	
SI09	234	Product/Service ID	X	AN 1/48
		Identifying number for a product or service		
SI10	1000	Service Characteristics Qualifier	X	AN 2/2
		Code from an industry code list qualifying the type of service characteristics	ce	
SI11	234	Product/Service ID	X	AN 1/48
		Identifying number for a product or service		
SI12	1000	Service Characteristics Qualifier	X	AN 2/2
		Code from an industry code list qualifying the type of service characteristics	ce	
SI13	234	Product/Service ID	X	AN 1/48
		Identifying number for a product or service		
SI14	1000	Service Characteristics Qualifier	X	AN 2/2
		Code from an industry code list qualifying the type of service characteristics	ce	
SI15	234	Product/Service ID	X	AN 1/48
		Identifying number for a product or service		
SI16	1000	Service Characteristics Qualifier	X	AN 2/2
		Code from an industry code list qualifying the type of service characteristics	ce	
SI17	234	Product/Service ID	X	AN 1/48
		Identifying number for a product or service		
SI18	1000	Service Characteristics Qualifier	X	AN 2/2
		Code from an industry code list qualifying the type of service characteristics	ce	
SI19	234	Product/Service ID	X	AN 1/48
		Identifying number for a product or service		
SI20	1000	Service Characteristics Qualifier	X	AN 2/2
		Code from an industry code list qualifying the type of service characteristics	ce	
SI21	234	Product/Service ID	X	AN 1/48
		Identifying number for a product or service		

Segment: USD Usage-Sensitive Detail

Position: 620

Loop: USD Optional

Level: Detail
Usage: Optional

Max Use: 1

Purpose: To specify usage-sensitive details which qualify for discounts or are subject to

special rates

Syntax Notes: 1 Only one of USD03 or USD04 may be present.

- 2 If USD03 is present, then at least one of USD06 USD07 or USD08 is required.
- 3 If USD04 is present, then at least one of USD08 or USD09 is required.
- 4 If either USD05 or USD06 is present, then the other is required.
- 5 If USD07 is present, then both USD05 and USD06 are required.
- 6 If USD10 is present, then at least one of USD11 or USD12 is required.
- 7 If USD11 is present, then USD10 is required.
- 8 If USD12 is present, then USD10 is required.

Semantic Notes: 1 USD01 is a code indicating the relationship of the price or amount to the associated segment.

- 2 USD03 is the allowance or charge rate per unit.
- 3 USD04 is the discount percentage.
- 4 USD06 is the quantity of usage.
- 5 USD07 is a quantity of usage different than the quantity in USD06. When USD07 is present, it is used in conjunction with USD06, and then the rate USD03 is applied.
- 6 USD09 is the total amount of terms discount.
- **Comments:** 1 If both USD03 and USD08 are present, then USD08 takes precedence.
 - 2 If USD11 is present and USD12 is not present, then the range is open ended.
 - 3 If USD12 is present and USD11 is not present, then the minimum is zero.

Notes: 1. The USD loop may only appear at the line detail level.

2. When submitting the 811 to any federal agency, use of a minimum of USD or TCD or both is required when HL03 is "9".

	Ref.	Data			
	Des.	Element	<u>Name</u>		Attributes
M	USD01	662	Relationship Code	2	M ID 1/1
			Code indicating the	e relationship between entities	
			A	Add	
			D	Delete	
			I	Included	
			O	Information Only	
				Charges which relate to but may not added to the unit price of the SLN. (i WATS calculation based upon usage	.e., compute
	USD02	350	Assigned Identific	ation	O AN 1/20

Alphanumeric characters assigned for differentiation within a transaction USD03 118 Rate X R 1/9 Rate expressed in the standard monetary denomination for the currency specified If both USD03 and USD08 are present, then USD08 takes precedence. USD04 954 Percent X R 1/10 Percentage expressed as a decimal Discount Percentage. USD05 C001 **Composite Unit of Measure** \mathbf{X} To identify a composite unit of measure (See Figures Appendix for examples of use) \mathbf{M} 355 M ID 2/2 C00101 **Unit or Basis for Measurement Code** Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken 03 Seconds 12 Packet 1X Quarter Mile AD Bytes A computer string of data that consists of a quantity of bits, treated as a unit; a bit is a binary digit AΗ Additional Minutes The minutes, usually associated with usage-sensitive pricing of telecommunication services, which are above the minutes allowed for that particular service AL Access Lines Number of lines subject to Carrier Access Line Charges C0Calls Number of calls handled DA Days DC Disk (Disc) DH Miles DK Kilometers Data Records DQ Number of Data Records handled DY **Directory Books** Number of directory books delivered to customer EΑ Each EB Electronic Mail Boxes Number of Electronic Mail Boxes established for an account

EV	Envelope
G7	Microfiche Sheet
	A film that contains photographed documents greatly reduced in size
H1	Half Pages - Electronic
	Number of electronic half pages of data delivered
HR	Hours
HT	Half Hour
KB	Kilocharacters
	Kilocharacters of data transmitted
KF	Kilopackets
	Kilopackets of data transmitted
KJ	Kilosegments
	Kilosegments of data transmitted
M0	Magnetic Tapes
	Number of Magnetic Tapes delivered with data
M4	Monetary Value
MJ	Minutes
MO	Months
MR	Meter
NF	Messages
	Number of Messages transmitted, or delivered
NH	Message Hours
	Number of hours used, calculated at some rate basis such as Minutes/message carried
NJ	Number of Screens
	Number of data screens handled, or transmitted
OT	Overtime Hours
P0	Pages - Electronic
	Number of electronic pages of data delivered
P1	Percent
QA	Pages - Facsimile
	Number of FAX pages transmitted
QB	Pages - Hardcopy
	Number of printed pages delivered
QH	Quarter Hours
	Number of 15 minute increments of usage handled
RS	Resets
	Number of times a transmission is reset due to line drop, interrupt, etc.
S6	Sessions

M

			Number of interactive sessions handle	ed	
		S7	Storage Units		
			Number of storage increments used		
		SG	Segment		
		T0	Telecommunications Lines in Service	;	
			Snapshot sample of lines in service		
		UB	Telecommunications Lines in Service	- Av	erage
			Average number of lines in service spacess requirements	ecifi	c to equal
		UC	Telecommunications Ports		
			Number of network access ports		
		UD	Tenth Minutes		
			Number of 6 second increments of us	age	
		UE	Tenth Hours		
			Number of 6 minute increments of us	_	
		UF	Usage per Telecommunications Line	- Ave	erage
		UN	Unit		
		ZZ	Mutually Defined		
USD06	380	Quantity		X	R 1/15
		Numeric value	of quantity		
USD07	380	Quantity		X	R 1/15
		Numeric value	• •		YIGD 0 4
		I. A quantity of	of usage different from the quantity of usage	ge in	USD06.
			07 is present, it is used in conjunction with n USD03 is applied.	USI	006 and
USD08	782	Monetary Am	nount	X	R 1/18
		Monetary amo			
USD09	610	Amount		X	N2 1/15
		Monetary amo	unt		
USD10	C001	Composite Ur	nit of Measure	X	
		To identify a c examples of us	omposite unit of measure (See Figures Appel)	pendi	x for
C00101	355	Unit or Basis	for Measurement Code	M	ID 2/2
			ng the units in which a value is being expressasurement has been taken	ssed,	or manner
		See USD05 for	r code list.		
USD11	740	Range Minim	um	X	R 1/20
		-	cifying the minimum of the measurement ra		
		If USD11 is pr -ended.	resent and USD12 is not present, then the	range	e is open

USD12 741 Range Maximum

X R 1/20

The value specifying the maximum of the measurement range

If USD12 is present and USD11 is not present, the minimum is zero.

Segment: SI Service Characteristic Identification

Position: 625

Loop: USD Optional

Level: Detail Usage: Optional

Max Use: 2

Purpose: To specify service characteristic data

Syntax Notes: 1 If either SI04 or SI05 is present, then the other is required.

2 If either SI06 or SI07 is present, then the other is required.

3 If either SI08 or SI09 is present, then the other is required.

4 If either SI10 or SI11 is present, then the other is required.

5 If either SI12 or SI13 is present, then the other is required.

6 If either SI14 or SI15 is present, then the other is required.

7 If either SI16 or SI17 is present, then the other is required.8 If either SI18 or SI19 is present, then the other is required.

o in claim stro of stro is present, then the other is required.

9 If either SI20 or SI21 is present, then the other is required.

Semantic Notes:

Comments:

1 SI01 defines the source for each of the service characteristics qualifiers.

Notes:

When submitting the 811 to any federal agency, use of the SI segment is optional when HL03 is "9".

	Ref.	Data			
	Des.	Element	<u>Name</u>	Att	<u>ributes</u>
M	SI01	559	Agency Qualifier Code	\mathbf{M}	ID 2/2
			Code identifying the agency assigning the code values		
			Refer to 004010 Data Element Dictionary for acceptable c	ode '	values.
M	SI02	1000	Service Characteristics Qualifier	M	AN 2/2
			Code from an industry code list qualifying the type of servicharacteristics	ice	
M	SI03	234	Product/Service ID	M	AN 1/48
			Identifying number for a product or service		
	SI04	1000	Service Characteristics Qualifier	X	AN 2/2
			Code from an industry code list qualifying the type of serv characteristics	ice	
	SI05	234	Product/Service ID	X	AN 1/48
			Identifying number for a product or service		
	SI06	1000	Service Characteristics Qualifier	X	AN 2/2
			Code from an industry code list qualifying the type of servicharacteristics	ice	
	SI07	234	Product/Service ID	X	AN 1/48
			Identifying number for a product or service		
	SI08	1000	Service Characteristics Qualifier	X	AN 2/2
			Code from an industry code list qualifying the type of serv	ice	
			Identifying number for a product or service Service Characteristics Qualifier	X	

characteristics X AN 1/48 **SI09** 234 Product/Service ID Identifying number for a product or service SI10 1000 **Service Characteristics Qualifier** X AN 2/2 Code from an industry code list qualifying the type of service characteristics SI11 234 Product/Service ID X AN 1/48 Identifying number for a product or service SI12 1000 X AN 2/2 **Service Characteristics Qualifier** Code from an industry code list qualifying the type of service characteristics **SI13** 234 X AN 1/48 Product/Service ID Identifying number for a product or service **SI14** X AN 2/2 1000 **Service Characteristics Qualifier** Code from an industry code list qualifying the type of service characteristics 234 X AN 1/48 **SI15** Product/Service ID Identifying number for a product or service **SI16** 1000 **Service Characteristics Qualifier** X AN 2/2 Code from an industry code list qualifying the type of service characteristics **SI17** 234 Product/Service ID X AN 1/48 Identifying number for a product or service **SI18** 1000 X AN 2/2 **Service Characteristics Qualifier** Code from an industry code list qualifying the type of service characteristics **SI19** 234 X AN 1/48 Product/Service ID Identifying number for a product or service **SI20** 1000 **Service Characteristics Qualifier** X AN 2/2 Code from an industry code list qualifying the type of service characteristics **SI21** 234 Product/Service ID X AN 1/48 Identifying number for a product or service

Segment: ITA Allowance, Charge or Service

Position: 630

Loop: USD Optional

Level: Detail Usage: Optional

Max Use: 2

Purpose: To specify allowances, charges, or services

Syntax Notes: 1 If ITA02 is present, then at least one of ITA03 ITA13 or ITA14 is required.

2 If ITA08 is present, then ITA09 is required.

3 If either ITA10 or ITA11 is present, then the other is required.

4 If ITA15 is present, then ITA02 is required.
5 If ITA17 is present, then ITA12 is required.

Semantic Notes: 1 ITA09 is the allowance or charge percent.

2 ITA10 is the quantity basis when the allowance or charge quantity is different from the purchase order or invoice quantity.

3 ITA12 is the quantity of free goods.

Comments: 1 If ITA01 equals "A" - allowance or "C" - charge, then at least one of ITA06, ITA07, or ITA08 must be present.

2 ITA02 identifies the source of the code value in ITA03 or ITA15.

3 If ITA07 is present with either ITA06 or ITA08, then ITA07 takes precedence.

4 ITA13 is used to clarify the allowance, charge, or service.

5 ITA15 specifies the individual code list of the agency specified in ITA02.

6 ITA16 describes the relationship of ITA06, ITA07 or ITA09 to an associated segment.

Notes: When submitting the 811 to any federal agency, use of the ITA segment is optional when HL03 is "9".

				icii Summur y		
	Ref.	Data				
	Des.	Element	<u>Name</u>		Att	<u>ributes</u>
M	ITA01	248	Allowance or Ch	narge Indicator	\mathbf{M}	ID 1/1
			Code which indic	eates an allowance or charge for the servi	ce sp	ecified
			A	Allowance		
			C	Charge		
			N	No Allowance or Charge		
	ITA02	559	Agency Qualifie	r Code	X	ID 2/2
			Code identifying	Code identifying the agency assigning the code values		
			TI	Telecommunications Industry		
	ITA03	560	Special Services	Code	X	ID 2/10
			Code identifying	the special service		
			See TCIF Section	n 10.4 for valid values.		
M	ITA04	331	Allowance or Ch	narge Method of Handling Code	M	ID 2/2
			Code indicating r	nethod of handling for an allowance or c	harge	e
			04	Credit Customer Account		

		06	Charge to be Paid by Customer		
		ZZ	Mutually Defined		
ITA05	341	Allowance or Ch	arge Number	0	AN 1/16
		The number assig deal or charge	ned by a vendor referencing an allowand	ce, pı	omotion,
ITA07	360	Allowance or Ch	arge Total Amount	0	N2 1/15
		Total dollar amou	ant for the allowance or charge		
ITA08	378	Allowance/Charg	ge Percent Qualifier	0	ID 1/1
		Code indicating o	n what basis allowance or charge percen	nt is c	calculated
		9	Late Payment Charge Base Amount		
			Amount outstanding after the past du subject to a late payment charge	e dat	e, and
ITA09	332	Percent		X	R 1/6
		Percent expressed	l as a percent		
ITA10	380	Quantity		X	R 1/15
		Numeric value of	quantity		
ITA11	355	Unit or Basis for	Measurement Code	X	ID 2/2
			he units in which a value is being express rement has been taken	ssed,	or manner
		Refer to code list	provided in the ITA segment in Table 2	2 Pos	ition 180.
ITA13	352	Description		X	AN 1/80
		A free-form descr content	iption to clarify the related data element	ts and	I their
ITA14	150	Special Charge of	or Allowance Code	X	ID 3/3
		Code identifying	type of special charge or allowance		
		See TCIF Section	a 10.4 for valid values.		
ITA16	662	Relationship Cod	le	0	ID 1/1
		Code indicating the	ne relationship between entities		
		A	Add		
		D	Delete		
		I	Included		
		O	Information Only		
			Charges which relate to but may not be added to the unit price of the SLN (i		
			added to the unit price of the SLN. (i WATS calculation based upon usage		
			and the same and t		/

Segment: TRF Rating Factors

Position: 640

Loop: USD Optional

Level: Detail
Usage: Optional
Max Use: 18

Purpose: To specify rating information used to calculate usage-sensitive charges

Syntax Notes: Semantic Notes:

Comments: 1 TRF01 defines the rating basis (e.g., acknowledged calls, minimum period,

etc.) for the segment.

2 TRF02 and TRF03 define equivalent units per standard unit.

3 TRF04 and TRF05 define the standard unit.

Notes: When submitting the 811 to any federal agency, use of the TRF segment is

optional when HL03 is "9".

Data Element Summary

	Kei.	Data		
	Des.	Element	<u>Name</u>	<u>Attributes</u>
\mathbf{M}	TRF01	673	Quantity Qualifier	M ID 2/2

Code specifying the type of quantity

Code specifying the rating basis (e.g., acknowledged calls, minimum period, etc.) for the segment.

01	Discrete Quantity
02	Cumulative Quantity
27	Committed Quantity
38	Original Quantity
47	Primary Net Quantity
90	Acknowledged Quantity
	Network Recognition for message receipt
91	Additional Usage Quantity
	The amount of usage incurred above the allotted or allowable use for a service
92	Allotted Usage Quantity
	The amount of allowable usage related to a service
93	Attendant-Handled Quantity
	Manual Recognition for message receipt
94	Billable Quantity
	Number of billable units used
95	Data Storage Quantity
	Number of storage units used
96	Non-Billable Quantity
	Number of non-billable units

			97	Non-Urgent Delivery Quantity	
				Number of units delivered in non-urger	nt status
			98	Overflow Quantity	
				Number of overflow messages, (Busy c for 800 service)	condition count
			99	Quantity Used	
				Quantity of units used	
			AA	Unacknowledged Quantity	
				Message received without network, or a recognition	attendant
			AB	Urgent Delivery Quantity	
				Number of units delivered in urgent sta	tus
			AC	Voice Storage Quantity	
				Number of voice storage units used	
			AD	Maintenance Units	
				Number of units of maintenance provid	led
			AE	Minimum Average Time Requirement ((MATR) Units
				Number of units calculated at a minimu basis, such as X minutes per message	m usage rating
			AF	Wide Area Telephone Service (WATS) Units	/800 Service
				Number of units of usage, for WATS or	r 800 service
			AG	Number of End Users	
				Number of participating users	
			AH	Number of Message Recipients	
				Number of recipients	
			AI	Number of Operator Credits	
				Number of operator credits given	
			AJ	Daily Adjustments	
			NS	Number of Stations	
				Number of stations, or terminating point in use, deleted, added, etc. for service d or lines on a computer, for example	
M	TRF02	C001	Composite Unit	of Measure	M
			-	nposite unit of measure (See Figures Appe	ndix for
M	C00101	355	_	Measurement Code	M ID 2/2
				the units in which a value is being expressed rement has been taken	ed, or manner
			Equivalent units	per standard unit.	
			03	Seconds	
			12	Packet	

1X Ouarter Mile AD **Bytes** A computer string of data that consists of a quantity of bits, treated as a unit; a bit is a binary digit AΗ **Additional Minutes** The minutes, usually associated with usage-sensitive pricing of telecommunication services, which are above the minutes allowed for that particular service AL Access Lines Number of lines subject to Carrier Access Line Charges Calls C0Number of calls handled DA Days DC Disk (Disc) DH Miles DK Kilometers DQ Data Records Number of Data Records handled DY **Directory Books** Number of directory books delivered to customer EΑ Each EB Electronic Mail Boxes Number of Electronic Mail Boxes established for an account EV Envelope G7 Microfiche Sheet A film that contains photographed documents greatly reduced in size H1 Half Pages - Electronic Number of electronic half pages of data delivered HR Hours НТ Half Hour KB Kilocharacters Kilocharacters of data transmitted KF **Kilopackets** Kilopackets of data transmitted KJ Kilosegments Kilosegments of data transmitted M0Magnetic Tapes Number of Magnetic Tapes delivered with data M4 Monetary Value

MJ	Minutes
MO	Months
MR	Meter
NF	Messages
111	
NH	Number of Messages transmitted, or delivered
NΠ	Message Hours Number of hours used, calculated at some rate basis
	such as Minutes/message carried
NJ	Number of Screens
	Number of data screens handled, or transmitted
OT	Overtime Hours
P0	Pages - Electronic
	Number of electronic pages of data delivered
P1	Percent
QA	Pages - Facsimile
	Number of FAX pages transmitted
QB	Pages - Hardcopy
	Number of printed pages delivered
QH	Quarter Hours
	Number of 15 minute increments of usage handled
RS	Resets
	Number of times a transmission is reset due to line
	drop, interrupt, etc.
S6	Sessions
	Number of interactive sessions handled
S7	Storage Units
	Number of storage increments used
SG	Segment
T0	Telecommunications Lines in Service
	Snapshot sample of lines in service
UB	Telecommunications Lines in Service - Average
	Average number of lines in service specific to equal access requirements
UC	Telecommunications Ports
	Number of network access ports
UD	Tenth Minutes
	Number of 6 second increments of usage
UE	Tenth Hours
	Number of 6 minute increments of usage
UF	Usage per Telecommunications Line - Average
UN	Unit

			ZZ Mutually Defined	
M	TRF03	380	Quantity	M R 1/15
			Numeric value of quantity	
			Standard unit.	
\mathbf{M}	TRF04	C001	Composite Unit of Measure	\mathbf{M}
			To identify a composite unit of measure (examples of use)	(See Figures Appendix for
M	C00101	355	Unit or Basis for Measurement Code	M ID 2/2
			Code specifying the units in which a value in which a measurement has been taken	e is being expressed, or manner
			Equivalent units per standard unit.	
			See TRF02 for code list.	
\mathbf{M}	TRF05	380	Quantity	M R 1/15
			Numeric value of quantity	
			Standard unit.	

Segment: QTY Quantity

Position: 650

Loop: QTY Optional

Level: Detail Usage: Optional

Max Use: 1

Purpose: To specify quantity information

Syntax Notes: 1 At least one of QTY02 or QTY04 is required.

2 Only one of QTY02 or QTY04 may be present.

Semantic Notes: 1 QTY04 is used when the quantity is non-numeric.

Comments:

Notes: When submitting the 811 to any federal agency, use of the QTY loop is optional

when HL03 is ''9''.

	Ref.	Data	•		
	<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>	
M	QTY01	673	Quantity Qualifier	M ID 2/2	
			Code specifying the type of quantity		
			Refer to code list provided in the QTY segment in Table 2 position 90.		
Must Use	QTY02	380	Quantity	X R 1/15	
			Numeric value of quantity		
	QTY03	C001	Composite Unit of Measure	O	
			To identify a composite unit of measure (See Figures Apprexamples of use)	endix for	
M	C00101	355	Unit or Basis for Measurement Code	M ID 2/2	
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken		
			Refer to code list provided in the QTY segment in Table 2 position 90.		

Segment: SI Service Characteristic Identification

Position: 660

Loop: QTY Optional

Level: Detail Usage: Optional

Max Use: 1

Purpose: To specify service characteristic data

Syntax Notes: 1 If either SI04 or SI05 is present, then the other is required.

- 2 If either SI06 or SI07 is present, then the other is required.
- 3 If either SI08 or SI09 is present, then the other is required.
- 4 If either SI10 or SI11 is present, then the other is required.
- 5 If either SI12 or SI13 is present, then the other is required.
- 6 If either SI14 or SI15 is present, then the other is required.
- If either SI16 or SI17 is present, then the other is required.
- 8 If either SI18 or SI19 is present, then the other is required.
- **9** If either SI20 or SI21 is present, then the other is required.

Semantic Notes:

Comments:

1 SI01 defines the source for each of the service characteristics qualifiers.

Notes:

1. When submitting the 811 to any federal agency, use of the SI segment is optional when HL03 is "9".

2. See TCIF section 10.4 for valid values when using data element 1000/234 pairs.

	Ref.	Data			
	Des.	Element	<u>Name</u>	Att	<u>ributes</u>
M	SI01	559	Agency Qualifier Code	M	ID 2/2
			Code identifying the agency assigning the code values		
			TI Telecommunications Industry		
M	SI02	1000	Service Characteristics Qualifier	M	AN 2/2
			Code from an industry code list qualifying the type of serv characteristics	ice	
M	SI03	234	Product/Service ID	M	AN 1/48
			Identifying number for a product or service		
	SI04	1000	Service Characteristics Qualifier	X	AN 2/2
			Code from an industry code list qualifying the type of serv characteristics	ice	
	SI05	234	Product/Service ID	X	AN 1/48
			Identifying number for a product or service		
	SI06	1000	Service Characteristics Qualifier	X	AN 2/2
			Code from an industry code list qualifying the type of serv characteristics	rice	
	SI07	234	Product/Service ID	X	AN 1/48

		Identifying number for a product or service		
SI08	1000	Service Characteristics Qualifier	X	AN 2/2
		Code from an industry code list qualifying the type of servic characteristics	e	
SI09	234	Product/Service ID	X	AN 1/48
		Identifying number for a product or service		
SI10	1000	Service Characteristics Qualifier	X	AN 2/2
		Code from an industry code list qualifying the type of servic characteristics	e	
SI11	234	Product/Service ID	X	AN 1/48
		Identifying number for a product or service		
SI12	1000	Service Characteristics Qualifier	X	AN 2/2
		Code from an industry code list qualifying the type of servic characteristics	e	
SI13	234	Product/Service ID	X	AN 1/48
		Identifying number for a product or service		
SI14	1000	Service Characteristics Qualifier	X	AN 2/2
		Code from an industry code list qualifying the type of servic characteristics	е	
SI15	234	Product/Service ID	X	AN 1/48
		Identifying number for a product or service		
SI16	1000	Service Characteristics Qualifier	X	AN 2/2
		Code from an industry code list qualifying the type of servic characteristics	e	
SI17	234	Product/Service ID	X	AN 1/48
		Identifying number for a product or service		
SI18	1000	Service Characteristics Qualifier	X	AN 2/2
		Code from an industry code list qualifying the type of servic characteristics	e	
SI19	234	Product/Service ID	X	AN 1/48
		Identifying number for a product or service		
SI20	1000	Service Characteristics Qualifier	X	AN 2/2
		Code from an industry code list qualifying the type of servic characteristics	e	
SI21	234	Product/Service ID	X	AN 1/48
		Identifying number for a product or service		

Segment: TDS Total Monetary Value Summary

Position: 010

Loop:

Level: Summary Usage: Mandatory

Max Use: 1

Purpose: To specify the total invoice discounts and amounts

Syntax Notes:

Semantic Notes:

- 1 TDS01 is the total amount of invoice (including charges, less allowances) before terms discount (if discount is applicable).
- 2 TDS02 indicates the amount upon which the terms discount amount is calculated.
- 3 TDS03 is the amount of invoice due if paid by terms discount due date (total invoice or installment amount less cash discount).
- 4 TDS04 indicates the total amount of terms discount.

Comments:

TDS02 is required if the dollar value subject to discount is not equal to the dollar value of TDS01.

Data Element Summary

	Ref.	Data		
	Des.	Element	<u>Name</u>	<u>Attributes</u>
M	TDS01	610	Amount	M N2 1/15

Monetary amount

The TDS segment (TDS01) contains the segment billed amount derived from the detail for the invoice. It does not contain any billed amounts found in the summary level.

Segment: ITA Allowance, Charge or Service

Position: 020

Loop: ITA Optional

Level: Summary Usage: Optional

Max Use: 1

Purpose: To specify allowances, charges, or services

Syntax Notes: 1 If ITA02 is present, then at least one of ITA03 ITA13 or ITA14 is required.

2 If ITA08 is present, then ITA09 is required.

3 If either ITA10 or ITA11 is present, then the other is required.

4 If ITA15 is present, then ITA02 is required.

5 If ITA17 is present, then ITA12 is required.

Semantic Notes: 1 ITA09 is the allowance or charge percent.

2 ITA10 is the quantity basis when the allowance or charge quantity is different from the purchase order or invoice quantity.

3 ITA12 is the quantity of free goods.

Comments: 1 If ITA01 equals "A" - allowance or "C" - charge, then at least one of ITA06, ITA07, or ITA08 must be present.

TAO, of TAO flust be present.

2 ITA02 identifies the source of the code value in ITA03 or ITA15.

3 If ITA07 is present with either ITA06 or ITA08, then ITA07 takes precedence.

4 ITA13 is used to clarify the allowance, charge, or service.

5 ITA15 specifies the individual code list of the agency specified in ITA02.

6 ITA16 describes the relationship of ITA06, ITA07 or ITA09 to an associated segment.

	Ref.	Data				
	Des.	Element	<u>Name</u>		Att	ributes
M	ITA01	248	Allowance	or Charge Indicator	M	ID 1/1
			Code which	h indicates an allowance or charge for the serv	ice sp	ecified
			A	Allowance		
			C	Charge		
			N	No Allowance or Charge		
	ITA02	559	Agency Qu	ualifier Code	X	ID 2/2
			Code ident	ifying the agency assigning the code values		
			TI	Telecommunications Industry		
	ITA03	560	Special Se	rvices Code	X	ID 2/10
			Code ident	ifying the special service		
			See TCIF	Section 10.4 for valid values.		
M	ITA04	331	Allowance	or Charge Method of Handling Code	M	ID 2/2
			Code indic	ating method of handling for an allowance or	charge	2
			03	Vendor Check to Customer		
			04	Credit Customer Account		

		06	Charge to be Paid by Customer		
		ZZ	Mutually Defined		
ITA05	341	Allowance or C	harge Number	0	AN 1/16
		The number assi deal or charge	gned by a vendor referencing an allowan	ce, pı	comotion,
ITA07	360	Allowance or C	harge Total Amount	O	N2 1/15
		Total dollar amo	unt for the allowance or charge		
ITA08	378	Allowance/Char	rge Percent Qualifier	O	ID 1/1
		Code indicating	on what basis allowance or charge percen	nt is c	calculated
		9	Late Payment Charge Base Amount		
			Amount outstanding after the past du subject to a late payment charge	ie dat	e, and
ITA09	332	Percent		X	R 1/6
		Percent expresse	d as a percent		
ITA10	380	Quantity		X	R 1/15
		Numeric value o	f quantity		
ITA11	355	Unit or Basis fo	r Measurement Code	X	ID 2/2
			the units in which a value is being expre urement has been taken	ssed,	or manner
		Refer to code lis	t provided in the ITA segment in Table .	2 pos	ition 180.
ITA13	352	Description		X	AN 1/80
		A free-form desc content	cription to clarify the related data elemen	ts and	l their
ITA14	150	Special Charge	or Allowance Code	X	ID 3/3
		Code identifying	type of special charge or allowance		
		See TCIF Section	n 10.4 for valid values.		
ITA16	662	Relationship Co	ode	O	ID 1/1
		Code indicating	the relationship between entities		
		A	Add		
		D	Delete		
		I	Included		
		O	Information Only		
			Charges which relate to but may not added to the unit price of the SLN. (i WATS calculation based upon usage	.e., co	ompute

Segment: DTM Date/Time Reference

Position: 030

Loop: ITA Optional

Level: Summary Usage: Optional

Max Use: 1

Purpose: To specify pertinent dates and times

Syntax Notes: 1 At least one of DTM02 DTM03 or DTM05 is required.

2 If DTM04 is present, then DTM03 is required.

3 If either DTM05 or DTM06 is present, then the other is required.

Semantic Notes:

Comments:

Data Element Summary

	Ref.	Data				
	Des.	Element	<u>Name</u>		Att	<u>ributes</u>
M	DTM01	374	Date/Time	Qualifier	M	ID 3/3
			Code specify	ying type of date or time, or both date and time	,	
			007	Effective		
			009	Process		
			050	Received		
	DTM02	373	Date		X	DT 8/8
			_	1 0011111111111111111111111111111111111		

Date expressed as CCYYMMDD

Segment: REF Reference Identification

Position: 035

Loop: ITA Optional

Level: Summary Usage: Optional

Max Use: 5

Purpose: To specify identifying information

Syntax Notes: 1 At least one of REF02 or REF03 is required.

If either C04003 or C04004 is present, then the other is required.
If either C04005 or C04006 is present, then the other is required.

Semantic Notes: 1 REF04 contains data relating to the value cited in REF02.

Comments:

	Ref. Des.	Data Element	Name	Att	ributes
M	REF01	128	Reference Identification Qualifier		ID 2/3
			Code qualifying the Reference Identification		
			Refer to 004010 Data Element Dictionary for acceptable	code	values.
	REF02	127	Reference Identification	X	AN 1/30
			Reference information as defined for a particular Transac specified by the Reference Identification Qualifier	tion S	Set or as
	REF03	352	Description	X	AN 1/80
			A free-form description to clarify the related data element content	s and	l their

Segment: BAL Balance Detail

Position: 040

Loop: BAL Optional

Level: Summary Usage: Optional

Max Use: 1

Purpose: To identify the specific monetary balances associated with a particular account

Syntax Notes: Semantic Notes: Comments:

M	Ref. <u>Des.</u> BAL01	Data <u>Element</u> 951	Name Balance Type Cod	le	Attributes M ID 1/2
			Code indicating the	e type of balance	
			A	Adjustment	
			M	Current Month	
			P	Previous Month	
				Balance of previous period charges p payments and adjustments for the pre billing	
M	BAL02	522	Amount Qualifier	Code	M ID 1/3
			Code to qualify am	ount	
			5	Total Invoice Amount	
			8	Total Monetary Discount Amount	
			BT	Bank Reject Total	
			C4	Prior Payment - Actual	
				Amount paid in reality at an earlier ti	me
			NA	Net Adjustment	
			NS	Net Savings Amount	
				Amount of dollar saving resulting fro service, such as Optional Calling Plan	
			PB	Billed Amount	
				Total amount due on the period bill	
			SC	Total Service Charge	
			TP	Total payment amount	
			TT	Total Transaction Amount	
M	BAL03	782	Monetary Amoun	t	M R 1/18
			Monetary amount		

Segment: DTM Date/Time Reference

Position: 050

Loop: BAL Optional

Level: Summary Usage: Optional

Max Use: 1

Purpose: To specify pertinent dates and times

Syntax Notes: 1 At least one of DTM02 DTM03 or DTM05 is required.

2 If DTM04 is present, then DTM03 is required.

3 If either DTM05 or DTM06 is present, then the other is required.

Semantic Notes:

Comments:

Data Element Summary

	Ref. Des.	Data Element	Name		Δtt	ributes
M	<u>DES.</u> DTM01	374	Date/Time	e Qualifier		ID 3/3
			Code speci	fying type of date or time, or both date and time	;	
			007	Effective		
			009	Process		
			050	Received		
	DTM02	373	Date		\mathbf{X}	DT 8/8
			Doto overno	and an CCVVMMDD		

Date expressed as CCYYMMDD

Segment: N1 Name

Position: 060

Loop: N1 Optional

Level: Summary Usage: Optional

Max Use: 1

Purpose: To identify a party by type of organization, name, and code

Syntax Notes: 1 At least one of N102 or N103 is required.

2 If either N103 or N104 is present, then the other is required.

Semantic Notes:

Comments: 1 This segment, used alone, provides the most efficient method of providing

organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.

2 N105 and N106 further define the type of entity in N101.

Data Element Summary

			Data Eleme	ent Summary		
	Ref.	Data				
	Des.	Element	<u>Name</u>		Att	<u>ributes</u>
M	N101	98	Entity Identifier (Code	M	ID 2/3
			Code identifying an an individual	n organizational entity, a physical locati	on, p	property or
			SJ	Service Provider		
				Identifies name and address information to a service provider for which billing		
	N102	93	Name		X	AN 1/60
			Free-form name			
	N103	66	Identification Cod	le Qualifier	X	ID 1/2
			Code designating to Identification Code	the system/method of code structure used to (67)	d for	
			41	Telecommunications Carrier Identifica	ation	Code
				Identifies the Interexchange carrier for being billed	the	charges
			42	Telecommunications Pseudo Carrier Io Code	lenti	fication
				A code similar to the standard Carrier Code which is used to identify the loc service providers		
			91	Assigned by Seller or Seller's Agent		
	N104	67	Identification Cod	le	X	AN 2/80
			Code identifying a	party or other code		
			If N103 = ''41'' - U	Use Bellcore CIC list. If N103 = "42"	- Use	e Pseudo

-CIC list provided in TCIF section 10.4.

Segment: BAL Balance Detail

Position: 070

Loop: BAL Optional

Level: Summary Usage: Optional

Max Use: 1

Purpose: To identify the specific monetary balances associated with a particular account

Syntax Notes: Semantic Notes: Comments:

	Ref.	Data				
	Des.	Element	<u>Name</u>		Attr	<u>ributes</u>
M	BAL01	951	Balance Type Cod	e	M	ID 1/2
			Code indicating the	type of balance		
			A	Adjustment		
			M	Current Month		
			P	Previous Month		
				Balance of previous period charges propayments and adjustments for the prebilling		
M	BAL02	522	Amount Qualifier	Code	\mathbf{M}	ID 1/3
			Code to qualify am	ount		
			AD	Adjusted Total		
M	BAL03	782	Monetary Amount	t	M	R 1/18
			Monetary amount			

Segment: DTM Date/Time Reference

Position: 080

Loop: BAL Optional

Level: Summary Usage: Optional

Max Use: 1

Purpose: To specify pertinent dates and times

Syntax Notes: 1 At least one of DTM02 DTM03 or DTM05 is required.

2 If DTM04 is present, then DTM03 is required.

3 If either DTM05 or DTM06 is present, then the other is required.

Semantic Notes:

Comments:

Data Element Summary

	Ref.	Data				
	Des.	Element	<u>Name</u>		Att	tributes
M	DTM01	374	Date/Time	Qualifier	M	ID 3/3
			Code specify	ying type of date or time, or both date and tin	ne	
			003	Invoice		
			007	Effective		
			009	Process		
			050	Received		
	DTM02	373	Date		X	DT 8/8

Date expressed as CCYYMMDD

Segment: ITA Allowance, Charge or Service

Position: 090

Loop: ITA Optional

Level: Summary Usage: Optional

Max Use: 1

Purpose: To specify allowances, charges, or services

Syntax Notes: 1 If ITA02 is present, then at least one of ITA03 ITA13 or ITA14 is required.

2 If ITA08 is present, then ITA09 is required.

3 If either ITA10 or ITA11 is present, then the other is required.

4 If ITA15 is present, then ITA02 is required.

5 If ITA17 is present, then ITA12 is required.

Semantic Notes: 1 ITA09 is the allowance or charge percent.

2 ITA10 is the quantity basis when the allowance or charge quantity is different from the purchase order or invoice quantity.

3 ITA12 is the quantity of free goods.

Comments: 1 If ITA01 equals "A" - allowance or "C" - charge, then at least one of ITA06,

ITA07, or ITA08 must be present.

2 ITA02 identifies the source of the code value in ITA03 or ITA15.

3 If ITA07 is present with either ITA06 or ITA08, then ITA07 takes precedence.

4 ITA13 is used to clarify the allowance, charge, or service.

5 ITA15 specifies the individual code list of the agency specified in ITA02.

6 ITA16 describes the relationship of ITA06, ITA07 or ITA09 to an associated segment.

	Ref.	Data					
	Des.	Element	Name		Att	<u>ributes</u>	
\mathbf{M}	ITA01	248	Allowance	or Charge Indicator	M	ID 1/1	
			Code which	h indicates an allowance or charge for the serv	ice sp	ecified	
			A	Allowance			
			C	Charge			
			N	No Allowance or Charge			
	ITA02	559	Agency Qu	ualifier Code	X	ID 2/2	
			Code ident	ifying the agency assigning the code values			
			TI	Telecommunications Industry			
	ITA03	560	Special Ser	rvices Code	\mathbf{X}	ID 2/10	
			Code ident	ifying the special service			
			See TCIF	Section 10.4 for valid values.			
M	ITA04	331	Allowance	or Charge Method of Handling Code	\mathbf{M}	ID 2/2	
			Code indic	Code indicating method of handling for an allowance or charge			
			04	Credit Customer Account			
			06	Charge to be Paid by Customer			

		ZZ Mutually Defined						
ITA05	341	Allowance or Charge Number	0	AN 1/16				
		The number assigned by a vendor referencing an allowand deal or charge	e, pr	romotion,				
ITA06	359	Allowance or Charge Rate	0	R 1/15				
		Allowance or Charge Rate per Unit						
ITA07	360	Allowance or Charge Total Amount	O	N2 1/15				
		Total dollar amount for the allowance or charge						
ITA09	332	Percent	X	R 1/6				
		Percent expressed as a percent						
ITA10	380	Quantity	X	R 1/15				
		Numeric value of quantity						
ITA11	355	Unit or Basis for Measurement Code	X	ID 2/2				
		Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken						
		Refer to code list provided in the ITA segment in Table 2	pos	ition 180.				
ITA13	352	Description	X	AN 1/80				
		A free-form description to clarify the related data element content	s and	I their				
ITA14	150	Special Charge or Allowance Code	X	ID 3/3				
		Code identifying type of special charge or allowance						
		See TCIF Section 10.4 for valid values.						
ITA16	662	Relationship Code	O	ID 1/1				
		Code indicating the relationship between entities						
		O Information Only						
		Charges which relate to but may not be included in or						
		added to the unit price of the SLN. (i.e., compute WATS calculation based upon usage amounts)						
		wA15 calculation based upon usage	amol	iiits)				

Segment: DTM Date/Time Reference

Position: 100

Loop: ITA Optional

Level: Summary Usage: Optional

Max Use: 2

Purpose: To specify pertinent dates and times

Syntax Notes: 1 At least one of DTM02 DTM03 or DTM05 is required.

2 If DTM04 is present, then DTM03 is required.

3 If either DTM05 or DTM06 is present, then the other is required.

Semantic Notes:

Comments:

Data Element Summary

	Ref.	Data <u>Element</u>	<u>Name</u>		Att	<u>ributes</u>
M	DTM01	374	Date/Tim	ne Qualifier	M	ID 3/3
			Code spec	cifying type of date or time, or both date and time	;	
			007	Effective		
			009	Process		
	DTM02	373	Date		X	DT 8/8
			Date evnr	essed as CCVVMMDD		

Date expressed as CCYYMMDD

Segment: REF Reference Identification

Position: 105

Loop: ITA Optional

Level: Summary Usage: Optional

Max Use: 5

Purpose: To specify identifying information

Syntax Notes: 1 At least one of REF02 or REF03 is required.

2 If either C04003 or C04004 is present, then the other is required.
3 If either C04005 or C04006 is present, then the other is required.

Semantic Notes: 1 REF04 contains data relating to the value cited in REF02.

Comments:

	Ref.	Data		
	Des.	Element	Name	Attributes
M	REF01	128	Reference Identification Qualifier	M ID 2/3
			Code qualifying the Reference Identification	
			12 Billing Account	
			Account number under which bil	lling is rendered
	REF02	127	Reference Identification	X AN 1/30
			Reference information as defined for a particular Tra specified by the Reference Identification Qualifier	nsaction Set or as
	REF03	352	Description	X AN 1/80
			A free-form description to clarify the related data election content	ments and their

Segment: CTT Transaction Totals

Position: 115

Loop:

Level: Summary Usage: Optional

Max Use: 1

Purpose: To transmit a hash total for a specific element in the transaction set

Syntax Notes: 1 If either CTT03 or CTT04 is present, then the other is required.

2 If either CTT05 or CTT06 is present, then the other is required.

Semantic Notes:

Comments: 1 This segment is intended to provide hash totals to validate transaction

completeness and correctness.

Notes: The number of line items (CTT01) is the accumulation of the number of IT1

segments.

Data Element Summary

	Ket.	Data		
	Des.	Element	<u>Name</u>	Attributes
M	CTT01	354	Number of Line Items	M N0 1/6
			Total number of line items in the transaction set	
			Number of IT1 segments in this transaction set.	
	CTT02	347	Hash Total	O R 1/10

If used, the specified field for the Telecommunications Industry is IT104.

Segment: **SE** Transaction Set Trailer

Position: 120

Loop:

Level: Summary Usage: Mandatory

Max Use: 1

Purpose: To indicate the end of the transaction set and provide the count of the transmitted

segments (including the beginning (ST) and ending (SE) segments)

Syntax Notes:

Semantic Notes:

Comments: 1 SE is the last segment of each transaction set.

M	Ref. Des. SE01	Data <u>Element</u> 96	Name Number of Included Segments		ributes N0 1/10
			Total number of segments included in a transaction set inc SE segments	ludin	g ST and
M	SE02	329	Transaction Set Control Number Identifying control number that must be unique within the functional group assigned by the originator for a transaction	trans	